

SOLICITATION, OFFER AND AWARD		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)		RATING		PAGE OF * PAGES	
2. CONTRACT NO.		3. SOLICITATION NO. PR-R4-99-10585		4. TYPE OF SOLICITATION [] SEALED BID (IFB) [X] NEGOTIATED (RFP)		5. DATE ISSUED July 7, 1999	
7. ISSUED BY (Hand Carried/Courier Address) U.S. EPA Region IV Procurement Section 14th Floor Atlanta Federal Center 61 Forsyth St., SW Atlanta, GA 30303		CODE		8. ADDRESS OFFER TO (If other than Item 7) (U. S. Mail Only) U.S. EPA Region IV Procurement Section 14th Floor Atlanta Federal Center 61 Forsyth St., SW Atlanta, GA 30303		6. REQUISITION/PURCHASE NO. PR-R4-99-10585	

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder"

SOLICITATION

9. Sealed offers in original and 3 copies for furnishing the supplies or services in the Schedule will be received at the place specified in item 8, or if handcarried, in the depository located in item 7 until 2:00 p.m. local time on August 13, 1999.
(Hour) (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-10 All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:		A. NAME ANITA M. WENDER	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) 404-562-8392 or email wender.anita@epamail.epa.gov
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OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions in 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause 52-232-8)		10 CALENDAR DAYS	20 CALENDAR DAYS	30 CALENDAR DAYS	___ CALENDAR DAYS
		%	%	%	%
14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated:)		AMENDMENT NO.	DATE	AMENDMENT NO.	DATE
15A. NAME AND ADDRESS OF OFFEROR		CODE	FACILITY	16 NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	
15B. TELEPHONE NO. (Include area code)		15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE. ENTER [] SUCH ADDRESS IN SCHEDULE		17. SIGNATURE	
				18. OFFER DATE	

AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED		20. AMOUNT		21. ACCOUNTING AND APPROPRIATION	
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: [] 10 U.S.C. 2304(c) [] 41 U.S.C. 253(c)				23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	
				ITEM	
24. ADMINISTERED BY (If other than item 7)		CODE		25. PAYMENT WILL BE MADE BY CODE:	
				Environmental Protection Agency Research Triangle Park Financial Management Cntr.(Mail Code MD-32) Research Triangle Park, NC 27711	
26. NAME OF CONTRACTING OFFICER (Type or print)				27. UNITED STATES OF AMERICA	
				(Signature of Contracting Officer)	
				28. AWARD DATE	

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice

NSN 7540-01-152-8064

33-134

PREVIOUS EDITION NOT USABLE

STANDARD FORM 33 (REV. 4-85)

Prescribed by GSA

FAR (48 CFR) 53.214©

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PART I - THE SCHEDULE

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

0000000B.1 LEVEL OF EFFORT--COST REIMBURSEMENT TERM CONTRACT (EPAAR 1552.211-73) (APR 1984) DEVIATION

(a) The Contractor shall perform all work and provide all required reports within the level of effort specified below. The Government will order 11,600 direct labor hours for the base period which represents the Government's best estimate of the level of effort required to fulfill these requirements.

(b) Direct labor includes personnel such as engineers, scientists, draftsmen, technicians, statisticians, and programmers and not support personnel such as company management, typists, and key punch operators even though such support personnel are normally treated as direct labor by the Contractor. The level of effort specified in paragraph (a) includes Contractor, subcontractor, and consultant labor hours.

(c) Under any circumstances, if the Government orders or the Contractor provides less than 90 percent of the level of effort specified for the base period or any optional period exercised, an equitable downward adjustment of the fixed fee, if any, for that period will be made. The Government may require the Contractor to provide additional effort up to 110 percent of the level of effort for any period until the estimated cost for that period has been reached. However, this additional effort shall not result in any increase in the fixed fee, if any. If this is a cost-plus-incentive-fee (CPIF) contract, the term "fee" in this paragraph means "base fee and incentive fee." If this is a cost-plus-award-fee (CPAF) contract, the term "fee" in this paragraph means "base fee and award fee."

(d) If the level of effort specified to be ordered during a given base or option period is not ordered during that period, that level of effort may not be accumulated and ordered during a subsequent period.

(e) These terms and conditions do not supersede the requirements of either the "Limitation of Cost" or "Limitation of Funds" clauses.

B.2 WORK ASSIGNMENTS (EPAAR 1552.211-74) (APR 1984) ALTERNATE I (MAY 1994) DEVIATION

(a) The Contractor shall perform work under this contract as specified in written work assignments issued by the Contracting Officer.

(b) Each work assignment will include (1) a numerical designation, (2) the estimate of required labor hours, (3) the period of performance and schedule of deliverables, and (4) the description of the work.

(c) The Contractor shall acknowledge receipt of each work assignment by returning to the Contracting Officer a signed copy of the work assignment within 5 calendar days after its receipt. The Contractor shall begin work immediately upon receipt of a work assignment.

Within twenty (20) calendar days after receipt of a work assignment, the Contractor shall submit two copies of a work plan to the Project Officer and one copy to the Contracting Officer. The work plan shall include a detailed technical and staffing plan and a detailed cost estimate.

Within twenty (20) calendar days after receipt of the work plan, the Contracting Officer will provide written approval or disapproval of it to the Contractor.

If the Contractor has not received approval on a work plan within sixty (60) calendar days after issuance of the work assignment, the Contractor shall stop work on that work assignment. Also, if the Contracting Officer disapproves a work plan, the Contractor shall stop work until the problem causing the disapproval is resolved. In either case, the Contractor shall resume work only when the Contracting Officer finally approves the work plan.

(d) This clause does not change the requirements of the "Level of Effort" clause, nor the notification requirements of either the "Limitation of Cost" or "Limitation of Funds" clauses.

(e) Work assignments shall not allow for any change to the terms or conditions of the contract. Where any language in the work assignment may suggest a change to the terms or conditions, the Contractor shall immediately notify the Contracting Officer.

(f) Within 20 days of receipt of the work assignment or similar tasking document, the Contractor shall provide a conflict of interest certification.

Before submitting the conflict of interest certification, the contractor shall search its records accumulated, at a minimum, over the past three years immediately prior to the receipt of the work assignment or similar tasking document. In the COI certification, the Contractor must certify to the best of the Contractor's knowledge and belief, that all actual or potential organizational conflicts of interest have been reported to the Contracting Officer or that to the best of the Contractor's knowledge and belief, no actual or potential organizational conflicts of interest exist. In addition, the Contractor must certify that its personnel who perform work under this work assignment or relating to this work assignment have been informed of their obligation to report personal and organizational conflicts of interest to the Contractor. The certification shall also include a statement that the Contractor recognizes its continuing obligation to identify and report any actual or potential conflicts of interest arising during performance of this work assignment.

B.3 CEILING PRICE (EP 52.216-150) (APR 1984)

The ceiling price of this contract is_____. The Contractor shall not make expenditures or incur obligations in the performance of this contract which exceed the ceiling price specified herein, except at the Contractor's own risk.

B.4 ESTIMATED COST AND FIXED FEE (EP 52.216-190) (APR 1984)

(a) The estimated cost of this contract is \$_____.

(b) The fixed fee is \$_____.

(c) The total estimated cost and fixed fee is _____.

B.5 LIMITATION OF FUNDS NOTICE (EP 52.232-100) (APR 1984)

(a) Pursuant to the Limitation of Funds clause, incremental funding in the amount of \$_____ is allotted to cover estimated cost. Funds in the amount of \$_____ are provided to cover the corresponding increment of fixed fee. The amount allotted for costs is estimated to cover the contractor's performance through two years from the award date.

(b) When the contract is fully funded as specified in the Estimated Cost and Fixed Fee Clause (EP 52.216-190), the Limitation of Cost clause shall become applicable.

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 NOTICE REGARDING PROHIBITED CONTRACTOR ACTIVITIES ON ENVIRONMENTAL PROTECTION AGENCY (EPA) CONTRACTS (EP 52.000-000) (NOV 1994)

The Contractor shall not perform any of the following activities on behalf of EPA in connection with this contract:

1. The actual preparation of Congressional testimony.
2. The interviewing or hiring of individuals for employment at EPA.
3. Developing and/or writing of Position Descriptions and Performance Standards.
4. The actual determination of Agency policy.
5. Participating as a voting member on a Performance Evaluation Board; participating in and/or attending Award Fee meetings.
6. Preparing Award Fee Letters, even under typing services contracts.
7. The actual preparation of Award Fee Plans.
8. The preparation of documents on EPA Letterhead other than routine administrative correspondence.
9. Reviewing vouchers and invoices for the purposes of determining whether costs, hours, and work performed are reasonable.
10. The preparation of Statements of Work, Work Assignments, Technical Direction Documents, Delivery Orders, or any other work issuance document under a contract that the contractor is performing or may perform. Such a work issuance document, prepared by an EPA prime contractor under an EPA prime contract for its subcontractor, is exempt from this prohibition.
11. The actual preparation of responses to audit reports from the Inspector General, General Accounting Office, or other auditing entities.
12. Preparing responses to Congressional correspondence.
13. The actual preparation of responses to Freedom of Information Act requests, other than routine, non-judgmental correspondence.
14. Any contract which authorizes a contractor to represent itself as EPA to outside parties.
15. Conducting administrative hearings.
16. Reviewing findings concerning the eligibility of EPA employees for security clearances.

17. The actual preparation of an office's official budget request.

C.2 STATEMENT OF WORK--CONTRACT WHERE WORK IS ORDERED BY WORK ASSIGNMENTS OR DELIVERY ORDERS (EP 52.210-110) (APR 1984)

The Contractor shall furnish the necessary personnel, material, equipment, services and facilities (except as otherwise specified), to perform the Statement of Work/Specifications included in Section J, Attachment 1.

The Contractor shall perform work under this contract only as directed in Work Assignments issued by the Contracting Officer.

C.3 COMPLIANCE WITH EPA POLICIES FOR INFORMATION RESOURCES MANAGEMENT (EPAAR 1552.211-79) (FEB 1998)

(a) Definition. Information Resources Management (IRM) is defined as any planning, budgeting, organizing, directing, training, promoting, controlling, and managing activities associated with the burden, collection, creation, use and dissemination of information. IRM includes both information itself, and the management of information and related resources such as personnel, equipment, funds, and technology. Examples of these services include but are not limited to the following:

(1) The acquisition, creation, or modification of a computer program or automated data base for delivery to EPA or use by EPA or contractors operating EPA programs.

(2) The analysis of requirements for, study of the feasibility of, evaluation of alternatives for, or design and development of a computer program or automated data base for use by EPA or contractors operating EPA programs.

(3) Services that provide EPA personnel access to or use of computer or word processing equipment, software, or related services.

(4) Services that provide EPA personnel access to or use of: Data communications; electronic messaging services or capabilities; electronic bulletin boards, or other forms of electronic information dissemination; electronic record-keeping; or any other automated information services.

(5) Services that are subject to the Brooks Act of 1965, as amended (Pub. L. 89-306).

(b) General. The Contractor shall perform any IRM related work under this contract in accordance with the IRM policies, standards and procedures set forth in this clause and noted below. Upon receipt of a work request (i.e. delivery order or work assignment), the Contractor shall check this listing of directives (see paragraph (d) for electronic access). The applicable directives for performance of the work request are those in effect on the date of issuance of the work request.

(1) IRM Policies, Standards and Procedures. The 2100 Series (2100-2199) of the Agency's Directive System contains the majority of the Agency's IRM policies, standards and procedures.

(2) Groundwater Program IRM Requirement. A contractor performing any work related to collecting Groundwater data; or developing or enhancing data bases containing Groundwater quality data shall comply with EPA Order 7500.1A - Minimum Set of Data Elements for Groundwater.

(3) EPA Computing and Telecommunications Services. The Enterprise Technology Services Division (ETSD) Operational Directives Manual contains procedural information about the operation of the Agency's computing and telecommunications services. Contractors performing work for the Agency's National Computer Center or those who are developing systems which will be operating on the Agency's national platforms must comply with procedures established in the Manual. (This document is only available through electronic access.)

(c) Printed Documents. Documents listed in (b)(1) and (b)(2) may be obtained from:

U.S. Environmental Protection Agency
Office of Administration
Facilities Management and Services Division
Distribution Section
Mail Code: 3204
401 M Street, S.W.
Washington, D.C. 20460
Phone: (202) 260-5797

(d) Electronic Access.

(1) Internet. A complete listing, including full text, of documents included in the 2100 Series of the Agency's Directive System, as well as the two other EPA documents noted in this clause, is maintained on the EPA Public Access Server on the Internet. Gopher Access: gopher.epa.gov is the address to access the EPA Gopher. Select 'menu keyword search' from the menu and search on the term 'IRM Policy'. Look for IRM Policy, Standards and Guidance. World Wide Web Access: <http://www.epa.gov> is the address for the EPA's homepage. From the homepage, search on the term 'IRM Policy' and look for IRM Policy, Standards and Guidance.

(2) Dial-Up Modem. All documents, including the listing, are available for browsing and electronic download through a dial-up modem. Dial (919) 558-0335 for access to the menu that contains the listing for EPA policies. Set the communication parameters to 8 data bits, no parity, 1 stop bit (8,N,1) Full Duplex, and the emulator to VT-100. The information is the same whether accessed through dial-up or the Internet. For technical assistance, call 1-800-334-2405.

C.4 ACQUISITION AND USE OF ENVIRONMENTALLY PREFERABLE PRODUCTS AND SERVICES (EP-S 97-1) (APR 1997)

(a) Executive Order 12873 of October 20, 1993, entitled "Federal Acquisition, Recycling, and Waste Prevention" and Section 6002 of the Resource Conservation and Recovery Act (RCRA) of 1976, as amended (42 U.S.C. 6962, Pub L. 94-580, 90 Stat. 2822) require Federal agencies to procure designated items with the highest recovered materials content practicable.

(b) In the performance of this contract, the Contractor shall comply with the requirements of the following issuances:

(1) Title 40 of the Code of Federal Regulations, Part 247, Comprehensive Guideline for Procurement of Products Containing Recovered Materials (CPG), which designates items that are or can be made with recovered materials, and its companion pieces, the Recovered Materials Advisory Notices (RMANs). The CPG and RMANs provide recommended procurement practices, including recommended recovered material content levels, for purchasing products designated in the CPG. The Contractor shall comply with these recommendations, and such other CPG revisions and RMANs as the Environmental Protection Agency (EPA) may issue with respect to the procurement of products that contain recovered materials. (Copies of the CPG or RMANs, as well as information on manufacturers and vendors of designated items may be obtained by calling EPA's RCRA Hotline at (800) 424-9346, or, in the Washington, D.C., metropolitan area, at (703) 412-9810.)

(2) In complying with the requirements of paragraph (b), the Contractor shall coordinate its concerns and program guidance with EPA's Recycling Coordinator.

(c) The Contractor shall prepare and submit reports on the purchase of products containing recovered materials from time to time in accordance with written direction (e.g., in specified format) from the EPA Recycling Coordinator through the Contracting Officer. Reports shall be submitted to the EPA Recycling Coordinator, with a copy to the Contracting Officer, Mail Code 3204, Washington, D.C. 20460.

SECTION D - PACKAGING AND MARKING

[For this Solicitation, there are NO clauses in this Section]

SECTION E - INSPECTION AND ACCEPTANCE

E.1 NOTICE Listing Contract Clauses Incorporated by Reference

NOTICE:

The following solicitation provisions and/or contract clauses pertinent to this section are hereby incorporated by reference:

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

NUMBER	DATE	TITLE
52.246-5	APR 1984	INSPECTION OF SERVICES--COST-REIMBURSEMENT

E.2 INSPECTION AND ACCEPTANCE (EP 52.246-100) (APR 1984)

(a) The Contracting Officer or the duly authorized representative will perform inspection and acceptance of materials and services to be provided.

(b) For the purposes of this clause, William Kenneth Dean and Sybil Cole are the authorized representatives of the Contracting Officer.

(c) Inspection and acceptance will be performed at:

Reports:

Sam Nunn Atlanta Federal Center
61 Forsyth SW 16th Floor
Atlanta, GA 30303

Verification of Data:

On sites specified in the Work Assignments
On site for laboratory analysis

SECTION F - DELIVERIES OR PERFORMANCE

F.1 NOTICE Listing Contract Clauses Incorporated by Reference

NOTICE:

The following solicitation provisions and/or contract clauses pertinent to this section are hereby incorporated by reference:

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

NUMBER	DATE	TITLE
52.242-15	AUG 1989	STOP WORK ORDER ALTERNATE I (APR 1984)

F.2 MONTHLY PROGRESS REPORT (EPAAR 1552.211-72) (JUN 1996) DEVIATION

(a) The Contractor shall furnish two (2) copies of the combined monthly technical and financial progress report stating the progress made, including the percentage of the project completed, and a description of the work accomplished to support the cost. If the work is ordered using work assignments or delivery orders, include the estimated percentage of task completed during the reporting period for each work assignment or delivery order.

(b) Specific discussions shall include difficulties encountered and remedial action taken during the reporting period, and anticipated activity with a schedule of deliverables for the subsequent reporting period.

(c) The Contractor shall provide a list of outstanding actions awaiting Contracting Officer authorization, noted with the corresponding work assignment, such as subcontractor, overtime approvals, and work plan approvals.

(d) The report shall specify financial status at the contract level as follows:

(1) For the current reporting period, display the amount claimed.

(2) For the cumulative period and the cumulative contract life display: the amount obligated, amount originally invoiced, amount paid, amount suspended, amount disallowed, and remaining approved amount. The remaining approved amount is defined as the total obligated amount, less the total amount originally invoiced, plus total amount disallowed.

(3) Labor hours.

(I) A list of employees, their labor categories, and the numbers of hours worked for the reporting period.

(ii) For the current reporting period, display the expended direct labor hours (by EPA contract labor category), and the total loaded direct labor costs.

(iii) For the cumulative contract period display: the negotiated and expended direct labor hours (by EPA labor category) and the total loaded direct labor costs.

(iv) Display the estimated direct labor hours and costs to be expended during the next reporting period.

(4) Display the current dollar ceilings in the contract, net amount invoiced, and remaining amounts for the following categories: Direct labor hours, total estimated cost, award fee pool (if applicable), subcontracts by individual subcontractor, travel, program management, and Other Direct Costs (ODCs).

(5) Unbilled allowable costs. Display the total costs incurred but unbilled for the current reporting period and cumulative for the contract.

(6) Average total cost per labor hour. For the current contract period, compare the actual total cost per hour to date with the average total cost per hour of the approved workplans.

(e) The report shall specify financial status at the work assignment or delivery order level as follows:

(1) For the current period, display the amount claimed.

(2) For the cumulative period display: amount shown on workplan, or latest work assignment/delivery order amendment amount (whichever is later); amount currently claimed; amount paid; amount suspended; amount disallowed; and remaining approved amount. The remaining approved amount is defined as: the workplan amount or latest work assignment or delivery order amount (whichever is later), less total amounts originally invoiced, plus total amount disallowed.

(3) Labor hours.

(I) A list of employees, their labor categories, and the number of hours worked for the reporting period.

(ii) For the current reporting period, display the expended direct labor hours (by EPA contract labor hour category) and the total loaded direct labor hours.

(iii) For the cumulative reporting period and cumulative contract period display: the negotiated and expended direct labor hours (by EPA contract labor hour category) and the total loaded direct labor costs.

(iv) Display the estimated direct labor hours and costs to be expended during the next reporting period.

(v) Display the estimates of remaining direct labor hours and costs required to complete the work assignment or delivery order.

(4) Unbilled allowable costs. Display the total costs incurred but unbilled for the current reporting period and cumulative for the work assignment.

(5) Average cost per labor hour. For the current period, compare the actual total cost per hour of the approved workplans.

(6) A list of deliverables for each work assignment or delivery order during the reporting period.

(f) This submission does not change the notification requirements of the "Limitation of Cost" or "Limitation of Funds" clauses requiring separate written notice to the Contracting Officer.

(g) The reports shall be submitted to the following addresses on or before the 15 of each month following the first complete reporting period of the contract. See EPAAR 1552.232-70, Submission of Invoices, paragraph (e), for details on the timing of submittals. Distribute reports as follows:

No. of Copies	Addressee
1	Contracting Officer
1	Project Officer

F.3 WORKING FILES (EPAAR 1552.211-75) (APR 1984) DEVIATION

The Contractor shall maintain accurate working files on all work documentation including calculations, assumptions, interpretations of regulations, sources of information, and other raw data required in the performance of this contract. The Contractor shall provide the information contained in its working files upon request of the Contracting Officer.

F.4 PERIOD OF PERFORMANCE (EP 52.212-140) (APR 1984)

The period of performance of this contract shall be from date of award through two(2) years inclusive of all required reports. There are three one-year options.

SECTION G - CONTRACT ADMINISTRATION DATA

G.1 PAYMENT OF FEE (EPAAR 1552.216-74) (MAY 1991)

(a) The term "fee" in this clause refers to either the fixed fee under a cost-plus-fixed-fee type contract, or the base fee under a cost-plus-award-fee type contract.

(b) The Government will make provisional fee payments on the basis of percentage of work completed. Percentage of work completed is the ratio of direct labor hours performed to the direct labor hours set forth in clause 1552.211-73, "Level of Effort--Cost-Reimbursement Term Contract."

G.2 SUBMISSION OF INVOICES (EPAAR 1552.232-70) (JUN 1996) DEVIATION

In order to be considered properly submitted, an invoice or request for contract financing payment must meet the following requirements in addition to the requirements of FAR 32.905:

(a) Unless otherwise specified in the contract, an invoice or request for contract financing payment shall be submitted as an original and five copies. The contractor shall submit the invoice or request for contract financing payment to the following offices/individuals in the contract: the original and two copies to the Accounting Operations office at the following address: Financial Management Division (MD32) ATTN: Accounts Payable Branch, Research Triangle Park, NC 27711; two copies to the Project Officer (the Project Officer may direct one of these copies to a separate address); and one copy to the Contracting Officer.

(b) The Contractor shall prepare its invoice or request for contract financing payment on the prescribed Government forms. Standard Forms Number 1034, Public Voucher for Purchases and Services other than Personal, shall be used by contractors to show the amount claimed for reimbursement. Standard Form 1035, Public Voucher for Purchases and Services other than Personal -Continuation Sheet, shall be used to furnish the necessary supporting detail or additional information required by the Contracting Officer. The Contractor may submit self-designed forms which contain the required information.

(c)(1) The Contractor shall prepare a contract level invoice or request for contract financing payment in accordance with the invoice preparation instructions identified as a separate attachment in Section J of the contract. If contract work is authorized by individual work assignments, the invoice or request for contract financing payment shall also include a summary of the current and cumulative amounts claimed by cost element for each work assignment and for the contract total, as well as any supporting data for each work assignment as identified in the instructions.

(2) The invoice or request for contract financing payment shall include current and cumulative charges by major cost element such as direct labor, overhead, travel, equipment, and other direct costs. For current costs, each major cost element shall include the appropriate supporting schedule identified in the invoice preparation instructions. Cumulative charges

represent the net sum of current charges by cost element for the contract period.

(d)(1) The charges for subcontracts shall be further detailed in a supporting schedule showing the major cost elements for each subcontract.

(d)(2) On a case-by-case basis, when needed to verify the reasonableness of subcontractor costs, the Contracting Officer may require that the contractor obtain from the subcontractor cost information in the detail set forth in (c)(2). This information should be obtained through a means which maintains subcontractor confidentiality (for example, via sealed envelopes), if the subcontractor expresses CBI concerns.

(e) Invoices or requests for contract financing payment must clearly indicate the period of performance for which payment is requested. Separate invoices or requests for contract financing payment are required for charges applicable to the basic contract and each option period.

(f)(1) Notwithstanding the provisions of the clause of this contract at FAR 52.216-7, Allowable Cost and Payment, invoices or requests for contract financing payment shall be submitted once per month unless there has been a demonstrated need and Contracting Officer approval for more frequent billings. When submitted on a monthly basis, the period covered by invoices or requests for contractor financing payments shall be the same as the period for monthly progress reports required under this contract.

(2) If the Contracting Officer allows submissions more frequently than monthly, one submittal each month shall have the same ending period of performance as the monthly progress report.

(3) Where cumulative amounts on the monthly progress report differ from the aggregate amounts claimed in the invoice(s) or request(s) for contract financing payments covering the same period, the contractor shall provide a reconciliation of the difference as part of the payment request.

G.3 INDIRECT COSTS (EPAAR 1552.242-70) (APR 1984) DEVIATION

(a) In accordance with paragraph (d) of the "Allowable Cost and Payment" clause, the final indirect cost rates applicable to this contract shall be established between the Contractor and the appropriate Government representative (EPA, other Government agency, or auditor), as provided by FAR 42.703-1(a). EPA's procedures require a Contracting Officer determination of indirect cost rates for its contracts. In those cases where EPA is the cognizant agency (see FAR 42.705-1), the final rate proposal shall be submitted to the cognizant audit activity and to the following:

Environmental Protection Agency
Chief, Cost and Rate Negotiation Service Center
Office of Acquisition Management
(3802R)
401 M St., S.W.
Washington, D. C. 20460

The Contractor shall also follow the notification and cost impact procedures prescribed in paragraph (b) below.

Where EPA is not the cognizant agency, the final rate proposal shall be

submitted to the above-cited address, to the cognizant audit agency, and to the designated Contracting Officer of the cognizant agency. Upon establishment of the final indirect cost rates, the Contractor shall submit an executed Certificate of Current Cost or Pricing Data (see FAR 15.406-2) applicable to the data furnished in connection with the final rates to the cognizant audit agency. The final rates shall be contained in a written understanding between the Contractor and the appropriate Government representative. Pursuant to the "Allowable Cost and Payment" clause, the allowable indirect costs under this contract shall be obtained by applying the final agreed upon rate(s) to the appropriate bases.

(b) Until final annual indirect cost rates are established for any period, the Government shall reimburse the Contractor at billing rates established by the appropriate Government representative in accordance with FAR 42.704, by means of a separate indirect cost rate agreement or a contract modification subject to adjustment when the final rates are established. The established billing rates are currently as follows: (will be included in resultant contract)

Cost Center
Period
Rate
Base

These billing rates may be prospectively or retroactively revised by mutual agreement, at the request of either the Government or the Contractor, to prevent substantial overpayment or underpayment.

(1) For any retroactive indirect cost rate adjustments (i.e., indirect costs already billed), including final indirect cost rate adjustments, the Contractor shall provide to the Cost Policy and Rate Negotiation Section, with copies to the current EPA Contracting Officers of active contracts, a cost impact statement showing the effect of the indirect cost rate changes for each contract. This statement shall compare the cost billed to the cost the Contractor proposes to bill.

(2) For prospective indirect cost rate adjustments only, the Contractor shall notify the current EPA Contracting Officers of the new proposed rates when it proposes rates to the Cost Policy and Rate Negotiation Section.

(3) For either prospective or retroactive indirect cost rate adjustments, the Contractor shall provide the Cost Policy and Rate Negotiation Section with the names of the current EPA Contracting Officers for the affected contracts.

(c) Notwithstanding the provisions of paragraphs (a) and (b) above, ceilings are hereby established on indirect costs reimbursable under this contract. The Government shall not be obligated to pay the Contractor any additional amount on account of indirect costs in excess of the ceiling rates listed below: (will be included in resultant contract)

Cost Center
Period
Rate
Base

The ceiling rates specified above are applicable from the effective date of the contract through the end of the period of performance including any option periods.

G.4 CONTRACT ADMINISTRATION REPRESENTATIVES (EP 52.242-100) (AUG 1984)

Project Officer(s) for this contract: William Kenneth Dean

Alternate Project Officer: Sybil Cole

Contract Specialist(s) responsible for administering this contract: Anita Wender

Contracting Officer: Deborah K. Davidson

All of the above are located at the Sam Nunn Atlanta Federal Center, 61 Forsyth Street, S.W., Atlanta, GA 30303. Phone numbers will be supplied upon contract award.

G.5 SUBCONTRACT CONSENT (EP 52.244-100) (APR 1984)

The Contractor shall submit the information required by the "Subcontracts," clause to the Contracting Officer. The Contracting Officer will provide written notice to the Contractor of her decision.

Consent is given to issue the following subcontracts: (will be included in resultant contract)

SECTION H - SPECIAL CONTRACT REQUIREMENTS

H.1 NOTICE Listing Contract Clauses Incorporated by Reference

NOTICE:

The following solicitation provisions and/or contract clauses pertinent to this section are hereby incorporated by reference:

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

NUMBER	DATE	TITLE
52.236-2	APR 1984	DIFFERING SITE CONDITIONS
52.236-7	NOV 1991	PERMITS AND RESPONSIBILITIES
52.236-9	APR 1984	PROTECTION OF EXISTING VEGETATION, STRUCTURES, EQUIPMENT, UTILITIES, AND IMPROVEMENTS
52.236-12	APR 1984	CLEANING UP
1552.229-70	NOV 1989	STATE AND LOCAL TAXES
1552.235-70	APR 1984	SCREENING BUSINESS INFORMATION FOR CLAIMS OF CONFIDENTIALITY
1552.235-71	APR 1984	TREATMENT OF CONFIDENTIAL BUSINESS INFORMATION
1552.235-79	APR 1996	RELEASE OF CONTRACTOR CONFIDENTIAL BUSINESS INFORMATION
1552.245-72	APR 1984	FABRICATION OR ACQUISITION OF NONEXPENDABLE PROPERTY

H.2 PRINTING (EPAAR 1552.208-70) (DEC 1993) DEVIATION

(a) Definitions.

"Printing" is the process of composition, platemaking, presswork, binding, and microform; or the end items produced by such processes and equipment.

"Composition" applies to the setting of type by hot-metal casting, photo typesetting, or electronic character generating devices for the purpose of producing camera copy, negatives, a plate or image to be used in the production of printing or microform.

"Camera copy" (or "camera-ready copy") is a final document suitable for printing/duplication.

"Desktop Publishing" is a method of composition using computers with the final output or generation of camera copy done by a laser printer. This is not considered "printing." However, if the output from desktop publishing is being sent to a typesetting device (i.e., Linotronic) with camera copy being produced in either paper or negative format, these services are considered "printing".

"Microform" is any product produced in a miniaturized image format, for mass

or general distribution and as a substitute for conventionally printed material. Microform services are classified as printing services and includes microfiche and microfilm. The contractor may make up to two sets of microform files for archival purposes at the end of the contract period of performance.

"Duplication" means the making of one-color (black) copies on photocopy machines employing electrostatic, thermal, or other processes without using an intermediary such as a negative or plate.

"Requirement" means an individual photocopying task. (There may be multiple requirements under a Work Assignment or Delivery Order. Each requirement would be subject to the photocopying limitation of 5,000 copies of one page or 25,000 copies of multiple pages in the aggregate per requirement.)

(b) Prohibition.

The Contractor shall not engage in, nor subcontract for, any printing or multi-color duplication in connection with the performance of work under this contract. Duplication of more than 5,000 copies of one page or more than 25,000 copies of multiple pages in the aggregate per requirement constitutes printing.

(c) Affirmative Requirements.

(1) Unless otherwise directed by the Contracting Officer, the Contractor shall use double-sided copying to produce any progress report, draft report or final report.

(2) Unless otherwise directed by the Contracting Officer, the Contractor shall use recycled paper for reports delivered to the Agency which meet the minimum content standards for paper and paper products as set forth in EPA Procurement Guidelines (40 CFR 250, June 22, 1988).

(d) Permitted Contractor Activities.

(1) The prohibitions contained in paragraph (b) do not preclude writing, editing, or preparing manuscript copy, or preparing related illustrative material to a final document (camera-ready copy) using desktop publishing.

(2) The Contractor may perform a requirement involving the duplication of less than 5,000 copies of only one page, or less than 25,000 copies of multiple pages in the aggregate using one color (black), such pages not exceeding the maximum image size of 10 3/4 by 14 1/4 inches. Duplication services below these thresholds are not considered printing. If performance of the contract will require duplication in excess of these limits, contractors must immediately notify the Contracting Officer in writing. EPA may then seek a waiver from the Joint Committee on Printing, U.S. Congress.

(e) Violations.

The Contractor may not engage in, nor subcontract for, any printing in connection with the performance of work under the contract. The cost of any printing services in violation of this clause will be disallowed, or not accepted by the Government.

(f) Flowdown Provision.

The Contractor shall include in each subcontract which may involve a requirement for any printing/duplicating/copying a provision substantially the same as this clause.

**H.3 ORGANIZATIONAL CONFLICTS OF INTEREST (EPAAR 1552.209-71) (MAY 1994)
ALTERNATE I (MAY 1994)**

(a) The Contractor warrants that, to the best of the Contractor's knowledge and belief, there are no relevant facts or circumstances which could give rise to an organizational conflict of interest, as defined in FAR Subpart 9.5, or that the Contractor has disclosed all such relevant information.

(b) Prior to commencement of any work, the Contractor agrees to notify the Contracting Officer immediately that, to the best of its knowledge and belief, no actual or potential conflict of interest exists or to identify to the Contracting Officer any actual or potential conflict of interest the firm may have. In emergency situations, however, work may begin but notification shall be made within five (5) working days.

(c) The Contractor agrees that if an actual or potential organizational conflict of interest is identified during performance, the Contractor will immediately make a full disclosure in writing to the Contracting Officer. This disclosure shall include a description of actions which the Contractor has taken or proposes to take, after consultation with the Contracting Officer, to avoid, mitigate, or neutralize the actual or potential conflict of interest. The Contractor shall continue performance until notified by the Contracting Officer of any contrary action to be taken.

(d) Remedies - The EPA may terminate this contract for convenience, in whole or in part, if it deems such termination necessary to avoid an organizational conflict of interest. If the Contractor was aware of a potential organizational conflict of interest prior to award or discovered an actual or potential conflict after award and did not disclose it or misrepresented relevant information to the Contracting Officer, the Government may terminate the contract for default, debar the Contractor from Government contracting, or pursue such other remedies as may be permitted by law or this contract.

(e) The Contractor agrees to insert in each subcontract or consultant agreement placed hereunder provisions which shall conform substantially to the language of this clause, including this paragraph, unless otherwise authorized by the Contracting Officer.

H.4 OPTION TO EXTEND THE TERM OF THE CONTRACT--COST-TYPE CONTRACT (EPAAR 1552.217-71) (APR 1984)

The Government has the option to extend the term of this contract for 3 (three) additional periods. If more than 60 days remain in the contract period of performance, the Government, without prior written notification, may exercise this option by issuing a contract modification. To exercise this option within the last 60 days of the period of performance, the Government must provide to the Contractor written notification prior to that last 60-day period. This preliminary notification does not commit the Government to exercising the option. Use of an option will result in the following contract modifications:

(a) The "Period of Performance" clause will be amended as follows to cover

the Base and Option Periods:

Period	Start Date	End Date
Option Period 1	Award Date	Award Date + 3 years
Option Period 2	Award Date	Award Date + 4 years
Option Period 3	Award Date	Award Date + 5 years

(b) Paragraph (a) of the "Level of Effort" clause will be amended to reflect a new and separate level of effort of:

Period	Level of Effort (Direct Labor Hours)
Option Period 1	6190
Option Period 2	6190
Option Period 3	6190

(c) The "Estimated Cost and Fixed Fee" clause will be amended to reflect increased estimated costs and fixed fees for each option period as follows:

Option Period	Estimated Cost	Fixed Fee	Total
Option Period 1			
Option Period 2			
Option Period 3			

(d) If this contract contains "not to exceed amounts" for elements of other direct costs (ODC), those amounts will be increased as follows:

Option Period	Travel	ODC	Subcontracting
Option Period 1			
Option Period 2			
Option Period 3			

H.5 OPTION FOR INCREASED QUANTITY--COST-TYPE CONTRACT (EPAAR 1552.217-73) (JUN 1997)

(a) By issuing a contract modification, the Government may increase the estimated level of effort by: 1,000, up to a maximum of 5,000 per year, up to a total contract maximum of 25,000.

The Government may issue a maximum of 5 orders to increase the level of

effort in multiples of 1,000 hours during any given option period.

The estimated cost and fixed fee of each multiple of hours is as follows:

Period	Estimated Cost	Fixed Fee	Total
Base Period			
Option One			
Option Two			
Option Three			

(c) If this contract contains "not to exceed amounts" for elements of other direct costs (ODCs), those amounts will be increased as follows:

H.6 UTILIZATION OF RURAL AREA SMALL BUSINESS CONCERNS (EP 52.219-110) (APR 1990)

(a) (1) "Rural area small business concern," as used in this clause, means a small business concern that is located and conducts its principal operations in a rural geographic area (county or parish) listed in the Small Business Administration's Listing of Non-Metropolitan Rural Counties by State.

(2) "Small business concern," as used in this clause, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on government contracts, and qualified as a small business under the criteria and size standard in 13 CFR 121.

(b) It is the policy of the Environmental Protection Agency (EPA) that rural area small business concerns shall have the maximum practicable opportunity to participate in performing contracts awarded by EPA.

(c) The contractor shall use its best efforts to give rural area small business concerns the opportunity to participate in the subcontracts it awards to the fullest extent consistent with efficient performance of this contract.

(d) The contractor shall incorporate the substance of this clause in any subcontract that may provide for additional subcontracting opportunities.

H.7 UTILIZATION OF HISTORICALLY BLACK COLLEGES AND UNIVERSITIES (EP 52.219-115) (JUL 1991)

(a) It is the Policy of the Environmental Protection Agency that historically black colleges and universities shall have the maximum practicable opportunity to participate in performing contracts awarded by the Agency.

(b) The Contractor shall use its best efforts to give historically black colleges and universities the opportunity to participate in any subcontracts awarded to the fullest extent consistent with efficient performance of this contract.

(c) The contractor shall incorporate the substance of this clause in any subcontract which may provide for additional subcontracting opportunities.

H.8 MENTOR-PROTÉGÉE PROGRAM (EP 52.219-135) (SEP 1994)

(a) The Contractor has been approved to participate in the EPA Mentor-Protégée program. The purpose of the Program is to increase the participation of small disadvantaged businesses (SDBs) as subcontractors, suppliers, and ultimately as prime contractors; to establish a mutually beneficial relationship with SDB's and EPA's large business prime contractors (although small businesses may participate as Mentors); to develop the technical and corporate administrative expertise of SDBs which will ultimately lead to greater success in competition for contract opportunities; to promote the economic stability of SDBs; and to aid in the achievement of goals for the use of SDBs in subcontracting activities under EPA contracts.

(b) The Contractor shall submit an executed Mentor-Protégée agreement to the Contracting Officer, with a copy to the Office of Small and Disadvantaged Business Utilization or the Small Business Specialist, within thirty (30) calendar days after the effective date of the contract. The Contracting Officer will notify the Contractor within thirty (30) calendar days from its submission if the agreement is not accepted.

(c) The Contractor as a Mentor under the Program agrees to fulfill the terms of its agreement(s) with the Protégée firm(s).

(d) If the Contractor or Protégée firm is suspended or debarred while performing under an approved Mentor-Protégée agreement, the Contractor shall promptly give notice of the suspension or debarment to the Office of Small and Disadvantaged Business Utilization and the Contracting Officer.

(e) Costs incurred by the Contractor in fulfilling their agreement(s) with the Protégée firm(s) are not reimbursable on a direct basis to the contract.

(f) In an attachment to Standard Form 294, Subcontracts Report for Individual Contracts, the Contractor shall report on the progress made under their Mentor-Protégée agreement(s), providing:

(1) The number of agreements in effect; and

(2) The progress in achieving the developmental assistance objectives under each agreement, including whether the objectives of the agreement have been met, problem areas encountered, and any other appropriate information.

H.9 INSURANCE--LIABILITY TO THIRD PERSONS (EP 52.228-110) (JUN 1993)

(a) (1) Except as provided in subparagraph (2) immediately following, the Contractor shall provide and maintain workers' compensation, employer's liability, comprehensive general liability (bodily injury), comprehensive automobile liability (bodily injury and property damage) insurance, and such other insurance as the Contracting Officer may require under this contract.

(2) The Contractor may, with the approval of the Contracting Officer, maintain a self-insurance program; provided that, with respect to workers' compensation, the Contractor is qualified pursuant to statutory authority.

(3) All insurance required by this paragraph shall be in a form and amount and for those periods as the Contracting Officer may require or approve and with insurers approved by the Contracting Officer.

(b) The Contractor agrees to submit for the Contracting Officer's approval, to the extent and in the manner required by the Contracting Officer, any other insurance that is maintained by the Contractor in connection with the performance of this contract and for which the Contractor seeks reimbursement.

(c) The Contractor shall be reimbursed for that portion of the reasonable cost of insurance allocable to this contract, and required or approved under this clause in accordance with its established cost accounting practices.

H.10 CONTRACT PUBLICATION REVIEW PROCEDURES (EPAAR 1552.237-70) (APR 1984)

(a) Material generated under this contract intended for release to the public is subject to the Agency's publication review process in accordance with the EPA Order on this subject and the following.

(b) Except as indicated in paragraph (c) below, the Contractor shall not independently publish or print material generated under this contract until after completion of the EPA review process. The Project Officer will notify the Contractor of review completion within 20 (twenty) calendar days after the Contractor's transmittal to the Project Officer of material generated under this contract. If the Contractor does not receive Project Officer notification within this period, the Contractor shall immediately notify the Contracting Officer in writing.

(c) The Contractor may publish, in a scientific journal, material resulting directly or indirectly from work performed under this contract, subject to the following:

(1) The Contractor shall submit to the Contracting Officer and the Project Officer, at least 30 days prior to publication, a copy of any paper, article, or other dissemination of information intended for publication.

(2) The Contractor shall include the following statement in a journal article which has not been subjected to EPA review: "Although the research described in this article has been funded wholly or in part by the United States Environmental Protection Agency contract (number) to (Name of Contractor), it has not been subject to the Agency's review and therefore does not necessarily reflect the views of the Agency, and no official endorsement should be inferred."

(3) Following publication of the journal article, the Contractor shall submit five copies of the journal article to the Project Officer, and one copy to the Contracting Officer.

(d) If the Government has completed the review process and agreed that the contract material may be attributed to EPA, the Contractor shall include the following statement in the document:

This material has been funded wholly or in part by the United States Environmental Protection Agency under contract (number) to (name). It has been subject to the Agency's review, and it has been approved for publication as an EPA document. Mention of trade names or commercial products does not constitute endorsement or recommendation for use.

(e) If the Government has completed the review process, but decides not to publish the material, the Contractor may independently publish and distribute

the material for its own use and at its own expense, and shall include the following statement in any independent publication:

Although the information described in this article has been funded wholly or in part by the United States Environmental Protection Agency under contract (number)to (name), it does not necessarily reflect the views of the Agency and no official endorsement should be inferred.

H.11 TECHNICAL DIRECTION (EPAAR 1552.237-71) (APR 1984) DEVIATION

(a) The Project Officer is the primary representative of the Contracting Officer authorized to provide technical direction on contract performance.

(b) Individuals other than the Project Officer may be authorized to provide technical direction. If individuals other than the Project Officer are authorized to provide technical direction, their names will be specified in the contract, delivery order, work assignment or technical direction document as appropriate. A Delivery Order Project Officer, Work Assignment Manager or Task Manager is authorized to provide technical direction, subject to the limitations set forth below, only on his/her delivery order, work assignment or technical direction document.

(c) Technical direction includes:

(1) Direction to the contractor which assists the contractor in accomplishing the Statement of Work.

(2) Comments on and approval of reports or other deliverables.

(d) Technical direction must be within the contract and the delivery order, work assignment or technical direction document statement of work. The Project Officer or any other technical representative of the Contracting Officer does not have the authority to issue technical direction which (1) institutes additional work outside the scope of the contract, delivery order, work assignment or technical direction document; (2) constitutes a change as defined in the "Changes" clause; (3) causes an increase or decrease in the estimated cost of the contract, delivery order, work assignment or technical direction document; (4) alters the period of performance; or (5) changes any of the other express terms or conditions of the contract, delivery order, work assignment or technical direction document.

(e) Technical direction will be issued in writing or confirmed in writing within five (5) calendar days after verbal issuance. One copy of the technical direction memorandum will be forwarded to the Contracting Officer and the Project Officer.

H.12 KEY PERSONNEL (EPAAR 1552.237-72) (APR 1984)

(a) The Contractor shall assign to this contract the following key personnel: (to be completed by offeror)

(b) During the first ninety (90) calendar days of performance, the Contractor shall make no substitutions of key personnel unless the substitution is necessitated by illness, death, or termination of employment. The Contractor shall notify the Contracting Officer within 15 calendar days after the occurrence of any of these events and provide the information required by paragraph (c) below. After the initial ninety (90) calendar day period, the Contractor shall submit the information required by paragraph (c) to the Contracting Officer at least 15 calendar days prior to making any permanent substitutions.

(c) The Contractor shall provide a detailed explanation of the circumstances necessitating the proposed substitutions, complete resumes for the proposed substitutes, and any additional information requested by the Contracting Officer. Proposed substitutes should have comparable qualifications to those of the persons being replaced. The Contracting Officer will notify the Contractor within 15 calendar days after receipt of all required information of the decision on substitutions. This clause will be modified to reflect any approved changes of key personnel.

PART II - CONTRACT CLAUSES**SECTION I - CONTRACT CLAUSES****I.1 NOTICE Listing Contract Clauses Incorporated by Reference****NOTICE:**

The following solicitation provisions and/or contract clauses pertinent to this section are hereby incorporated by reference:

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

NUMBER	DATE	TITLE
52.202-1	OCT 1995	DEFINITIONS
52.203-3	APR 1984	GRATUITIES
52.203-5	APR 1984	COVENANT AGAINST CONTINGENT FEES
52.203-6	JUL 1995	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT
52.203-7	JUL 1995	ANTI-KICKBACK PROCEDURES
52.203-8	JAN 1997	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY
52.203-10	JAN 1997	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY
52.203-12	JUN 1997	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS
52.209-6	JUL 1995	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT
52.215-2	AUG 1996	AUDIT AND RECORDS--NEGOTIATION
52.215-10	OCT 1997	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA
52.215-12	OCT 1997	SUBCONTRACTOR COST OR PRICING DATA
52.215-15	DEC 1998	PENSION ADJUSTMENT AND ASSET REVERSIONS
52.215-17	OCT 1997	WAIVER OF FACILITIES CAPITAL COST OF MONEY
52.215-19	OCT 1997	NOTIFICATION OF OWNERSHIP CHANGES
52.216-7	APR 1998	ALLOWABLE COST AND PAYMENT
52.216-8	MAR 1997	FIXED FEE
52.219-4	JAN 1999	NOTICE OF PRICE EVALUATION PREFERENCE FOR HUBZONE SMALL BUSINESS CONCERNS
52.219-6	JUL 1996	NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE
52.219-8	JAN 1999	UTILIZATION OF SMALL BUSINESS CONCERNS
52.219-14	DEC 1996	LIMITATIONS ON SUBCONTRACTING
52.222-3	AUG 1996	CONVICT LABOR
52.222-26	FEB 1999	EQUAL OPPORTUNITY
52.222-35	APR 1998	AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA
52.222-36	JUN 1998	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES
52.222-37	JAN 1999	EMPLOYMENT REPORTS ON DISABLED VETERANS AND

		VETERANS OF THE VIETNAM ERA
52.223-2	APR 1984	CLEAN AIR AND WATER
52.223-6	JAN 1997	DRUG-FREE WORKPLACE
52.223-9	OCT 1997	CERTIFICATION AND ESTIMATE OF PERCENTAGE OF RECOVERED MATERIAL CONTENT FOR EPA DESIGNATED ITEMS
52.223-14	OCT 1996	TOXIC CHEMICAL RELEASE REPORTING
52.225-11	AUG 1998	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES
52.227-1	JUL 1995	AUTHORIZATION AND CONSENT
52.227-2	AUG 1996	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT
52.227-14	JUN 1987	RIGHTS IN DATA--GENERAL
52.227-14	JUN 1987	RIGHTS IN DATA--GENERAL ALTERNATE III (JUN 1987)
52.227-16	JUN 1987	ADDITIONAL DATA REQUIREMENTS
52.228-7	MAR 1996	INSURANCE--LIABILITY TO THIRD PERSONS
52.232-17	JUN 1996	INTEREST
52.232-20	APR 1984	LIMITATION OF COST
52.232-22	APR 1984	LIMITATION OF FUNDS
52.232-23	JAN 1986	ASSIGNMENT OF CLAIMS
52.232-25	JUN 1997	PROMPT PAYMENT
52.232-33	MAY 1999	PAYMENT BY ELECTRONIC FUNDS TRANSFER - CENTRAL CONTRACTOR REGISTRATION
52.233-1	DEC 1998	DISPUTES ALTERNATE I (DEC 1991)
52.233-3	AUG 1996	PROTEST AFTER AWARD ALTERNATE I (JUN 1985)
52.242-1	APR 1984	NOTICE OF INTENT TO DISALLOW COSTS
52.242-3	OCT 1995	PENALTIES FOR UNALLOWABLE COSTS
52.242-4	JAN 1997	CERTIFICATION OF FINAL INDIRECT COSTS
52.242-13	JUL 1995	BANKRUPTCY
52.243-2	AUG 1987	CHANGES--COST REIMBURSEMENT ALTERNATE I (APR 1984)
52.244-2	AUG 1998	SUBCONTRACTS ALTERNATE II (AUG 1998)
52.245-5	AUG 1996	GOVERNMENT PROPERTY (COST-REIMBURSEMENT, TIME-AND-MATERIAL, OR LABOR-HOUR CONTRACTS) DEVIATION
52.246-25	FEB 1997	LIMITATION OF LIABILITY--SERVICES
52.247-67	JUN 1997	SUBMISSION OF COMMERCIAL TRANSPORTATION BILLS TO THE GENERAL SERVICES ADMINISTRATION FOR AUDIT
52.249-6	SEP 1996	TERMINATION (COST-REIMBURSEMENT)
52.249-14	APR 1984	EXCUSABLE DELAYS
52.252-6	APR 1984	AUTHORIZED DEVIATIONS IN CLAUSES
52.253-1	JAN 1991	COMPUTER GENERATED FORMS

I.2 PRINTING/COPYING DOUBLE-SIDED ON RECYCLED PAPER (FAR 52.204-4) (JUN 1996) DEVIATION

(a) In accordance with Executive Order 12873, dated October 20, 1993, as amended by Executive Order 12995, dated March 25, 1996, the Offeror/Contractor is required to submit paper documents, such as offers, letters, or reports,

that are printed/copied double-sided on recycled paper that has at least 20% postconsumer material.

(b) The 20% standard applies to high-speed copier paper, offset paper, forms bond, computer printout paper, carbonless paper, file folders, white woven envelopes, and other uncoated printed and writing paper, such as writing and office paper, book paper, cotton fiber paper, and cover stock. An alternative standard to meeting the 20% postconsumer material standard is 50% recovered material content of certain industrial by-products.

I.3 SMALL BUSINESS SUBCONTRACTING PLAN (FAR 52.219-9) (JAN 1999) ALTERNATE II (JAN 1999)

(a) This clause does not apply to small business concerns.

(b) *Definitions.* As used in this clause--

"Commercial item" means a product or service that satisfies the definition of commercial item in section 2.101 of the Federal Acquisition Regulation.

"Commercial plan" means a subcontracting plan (including goals) that covers the offeror's fiscal year and that applies to the entire production of commercial items sold by either the entire company or a portion thereof (e.g., division, plant, or product line).

"Individual contract plan" means a subcontracting plan that covers the entire contract period (including option periods), applies to a specific contract, and has goals that are based on the offeror's planned subcontracting in support of the specific contract, except that indirect costs incurred for common or joint purposes may be allocated on a prorated basis to the contract.

"Master plan" means a subcontracting plan that contains all the required elements of an individual contract plan, except goals, and may be incorporated into individual contract plans, provided the master plan has been approved.

"Subcontract" means any agreement (other than one involving an employer-employee relationship) entered into by a Federal Government prime Contractor or subcontractor calling for supplies or services required for performance of the contract or subcontract.

(c) Proposals submitted in response to this solicitation shall include a subcontracting plan that separately addresses subcontracting with small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns. If the offeror is submitting an individual contract plan, the plan must separately address subcontracting with small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns, with a separate part for the basic contract and separate parts for each option (if any). The plan shall be included in and made a part of the resultant contract. The subcontracting plan shall be negotiated within the time specified by the Contracting Officer. Failure to submit and negotiate a subcontracting plan shall make the offeror ineligible for award of a contract.

(d) The offeror's subcontracting plan shall include the following:

(1) Goals, expressed in terms of percentages of total planned

subcontracting dollars, for the use of small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns as subcontractors. The offeror shall include all subcontracts that contribute to contract performance, and may include a proportionate share of products and services that are normally allocated as indirect costs.

(2) A statement of-

(i) Total dollars planned to be subcontracted for an individual contract plan; or the offeror's total projected sales, expressed in dollars, and the total value of projected subcontracts to support the sales for a commercial plan;

(ii) Total dollars planned to be subcontracted to small business concerns;

(iii) Total dollars planned to be subcontracted to HUBZone small business concerns;

(iv) Total dollars planned to be subcontracted to small disadvantaged business concerns; and

(v) Total dollars planned to be subcontracted to women-owned small business concerns.

(3) A description of the principal types of supplies and services to be subcontracted, and an identification of the types planned for subcontracting to--

(i) Small business concerns;

(ii) HUBZone small business concerns;

(iii) Small disadvantaged business concerns; and

(iv) Women-owned small business concerns.

(4) A description of the method used to develop the subcontracting goals in paragraph (d)(1) of this clause.

(5) A description of the method used to identify potential sources for solicitation purposes(e.g., existing company source lists, the Procurement Marketing and Access Network (PRO-Net) of the Small Business Administration (SBA), the list of certified small disadvantaged business concerns of the SBA, the National Minority Purchasing Council Vendor Information Service, the Research and Information Division of the Minority Business Development Agency in the Department of Commerce, or small, HUBZone small disadvantaged, and women-owned small business trade associations). A firm may rely on the information contained in PRO-Net as an accurate representation of a concern's size and ownership characteristics for the purposes of maintaining a small and women-owned small business source list. Use of PRO-Net and/or the SBA list of small disadvantaged business concerns as its source lists does not relieve a firm of its responsibilities (e.g., outreach, assistance, counseling, publicizing subcontracting opportunities) in this clause.

(6) A statement as to whether or not the offeror included indirect costs in establishing subcontracting goals, and a description of the method used to determine the proportionate share of indirect costs to be incurred with--

- (i) Small business concerns;
- (ii) HUBZone small business concerns;
- (iii) Small disadvantaged business concerns; and
- (iv) Women-owned small business concerns.

(7) The name of the individual employed by the offeror who will administer the offeror's subcontracting program, and a description of the duties of the individual.

(8) A description of the efforts the offeror will make to assure that small, HUBZone small business, small disadvantaged and women-owned small business concerns have an equitable opportunity to compete for subcontracts.

(9) Assurances that the offeror will include the clause in this contract entitled "Utilization of Small Business Concerns" in all subcontracts that offer further subcontracting opportunities, and that the offeror will require all subcontractors (except small business concerns) that receive subcontracts in excess of \$500,000 (\$1,000,000 for construction of any public facility) to adopt a subcontracting plan that complies with the requirements of this clause.

(10) Assurances that the offeror will--

- (i) Cooperate in any studies or surveys as may be required;
- (ii) Submit periodic reports so that the Government can determine the extent of compliance by the offeror with the subcontracting plan;
- (iii) Submit Standard Form (SF) 294, Subcontracting Report for Individual Contracts, and/or SF 295, Summary Subcontract Report, in accordance with the instructions on the forms or as provided in agency regulations and in paragraph (j) of this clause; and
- (iv) Ensure that its subcontractors agree to submit SF 294 and SF 295.

(11) A description of the types of records that will be maintained concerning procedures that have been adopted to comply with the requirements and goals in the plan, including establishing source lists; and a description of the offeror's efforts to locate small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns and award subcontracts to them. The records shall include at least the following (on a plant-wide or company-wide basis, unless otherwise indicated):

- (i) Source lists (e.g., PRO-Net), guides, and other data that identify small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns.
- (ii) Organizations contacted in an attempt to locate sources that are small business, HUBZone small business, small disadvantaged business, or women-owned small business concerns.
- (iii) Records on each subcontract solicitation resulting in an award of more than \$100,000, indicating--

(A) Whether small business concerns were solicited and, if not, why not;

(B) Whether HUBZone small business concerns were solicited and, if not, why not;

(C) Whether small disadvantaged business concerns were solicited and, if not, why not;

(D) Whether women-owned small business concerns were solicited and, if not, why not; and

(E) If applicable, the reason award was not made to a small business concern.

(iv) Records of any outreach efforts to contact--

(A) Trade associations;

(B) Business development organizations; and

(C) Conferences and trade fairs to locate small, HUBZone small, small disadvantaged, and women-owned small business sources.

(v) Records of internal guidance and encouragement provided to buyers through--

(A) Workshops, seminars, training, etc.; and

(B) Monitoring performance to evaluate compliance with the program's requirements.

(vi) On a contract-by-contract basis, records to support award data submitted by the offeror to the Government, including the name, address, and business size of each subcontractor. Contractors having commercial plans need not comply with this requirement.

(e) In order to effectively implement this plan to the extent consistent with efficient contract performance, the Contractor shall perform the following functions:

(1) Assist small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns by arranging solicitations, time for the preparation of bids, quantities, specifications, and delivery schedules so as to facilitate the participation by such concerns. Where the Contractor's lists of potential small business, HUBZone small business, small disadvantaged business, and women-owned small business subcontractors are excessively long, reasonable effort shall be made to give all such small business concerns an opportunity to compete over a period of time.

(2) Provide adequate and timely consideration of the potentialities of small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns in all ``make-or-buy'' decisions.

(3) Counsel and discuss subcontracting opportunities with representatives of small business, HUBZone small business, small disadvantaged business, and women-owned small business firms.

(4) Provide notice to subcontractors concerning penalties and remedies

for misrepresentations of business status as small, HUBZone small, small disadvantaged, or women-owned small business for the purpose of obtaining a subcontract that is to be included as part or all of a goal contained in the Contractor's subcontracting plan.

(f) A master plan on a plant or division-wide basis that contains all the elements required by paragraph (d) of this clause, except goals, may be incorporated by reference as a part of the subcontracting plan required of the offeror by this clause; provided--

(1) the master plan has been approved,

(2) the offeror ensures that the master plan is updated as necessary and provides copies of the approved master plan, including evidence of its approval, to the Contracting Officer, and

(3) goals and any deviations from the master plan deemed necessary by the Contracting Officer to satisfy the requirements of this contract are set forth in the individual subcontracting plan.

(g) A commercial plan is the preferred type of subcontracting plan for contractors furnishing commercial items. The commercial plan shall relate to the offeror's planned subcontracting generally, for both commercial and Government business, rather than solely to the Government contract. Commercial plans are also preferred for subcontractors that provide commercial items under a prime contract, whether or not the prime contractor is supplying a commercial item.

(h) Prior compliance of the offeror with other such subcontracting plans under previous contracts will be considered by the Contracting Officer in determining the responsibility of the offeror for award of the contract.

(i) The failure of the Contractor or subcontractor to comply in good faith with--

(1) the clause of this contract entitled "Utilization Of Small Business Concerns;" or

(2) an approved plan required by this clause, shall be a material breach of the contract.

(j) The Contractor shall submit the following reports:

(1) *Standard Form 294, Subcontracting Report for Individual Contracts.*

This report shall be submitted to the Contracting Officer semiannually and at contract completion. The report covers subcontract award data related to this contract. This report is not required for commercial plans.

(2) *Standard Form 295, Summary Subcontract Report.* This report encompasses all the contracts with the awarding agency. It must be submitted semi-annually for contracts with the Department of Defense and annually for contracts with civilian agencies. If the reporting activity is covered by a commercial plan, the reporting activity must report annually all subcontract awards under that plan. All reports submitted at the close of each fiscal year (both individual and commercial plans) shall include a breakout, in the Contractor's format, of subcontract awards, in whole dollars, to small disadvantaged business concerns by Standard Industrial Classification (SIC) Major Group. For a commercial plan, the Contractor may obtain from each of its subcontractors a predominant SIC Major Group and report all awards to that subcontractor under its predominant SIC Major Group.

I.4 RIGHTS IN DATA--GENERAL (FAR 52.227-14) (JUN 1987) ALTERNATE II (JUN 1987)

(a) *Definitions.*

"Computer software," as used in this clause, means computer programs, computer data bases, and documentation thereof.

"Data," as used in this clause, means recorded information, regardless of form or the media on which it may be recorded. The term includes technical data and computer software. The term does not include information incidental to contract administration, such as financial, administrative, cost or pricing, or management information.

"Form, fit, and function data," as used in this clause, means data relating to items, components, or processes that are sufficient to enable physical and functional interchangeability, as well as data identifying source, size, configuration, mating, and attachment characteristics, functional characteristics, and performance requirements; except that for computer software it means data identifying source, functional characteristics, and performance requirements but specifically excludes the source code, algorithm, process, formulas, and flow charts of the software.

"Limited rights," as used in this clause, means the rights of the Government in limited-rights data as set forth in the Limited Rights Notice of subparagraph (g)(2) if included in this clause.

"Limited rights data," as used in this clause, means data (other than computer software) that embody trade secrets or are commercial or financial and confidential or privileged, to the extent that such data pertain to items, components, or processes developed at private expense, including minor modifications thereof.

"Restricted computer software," as used in this clause, means computer software developed at private expense and that is a trade secret; is commercial or financial and is confidential or privileged; or is published copyrighted computer software; including minor modifications of such computer software.

"Restricted rights," as used in this clause, means the rights of the Government in restricted computer software, as set forth in a Restricted Rights Notice of subparagraph (g)(3) if included in this clause, or as otherwise may be provided in a collateral agreement incorporated in and made part of this contract including minor modifications of such computer software.

"Technical data," as used in this clause, means that data (other than computer software) which are of a scientific or technical nature.

"Unlimited rights," as used in this clause, means the right of the Government to use, disclose, reproduce, prepare derivative works, distribute copies to the public, and perform publicly and display publicly, in any manner and for any purpose, and to have or permit others to do so.

(b) *Allocation of rights.*

(1) Except as provided in paragraph (c) of this clause regarding copyright, the Government shall have unlimited rights in--

(i) Data first produced in the performance of this contract;

(ii) Form, fit, and function data delivered under this contract;

(iii) Data delivered under this contract (except for restricted computer software) that constitute manuals or instructional and training material for installation, operation, or routine maintenance and repair of items, components, or processes delivered or furnished for use under this contract; and

(iv) All other data delivered under this contract unless provided otherwise for limited rights data or restricted computer software in accordance with paragraph (g) of this clause.

(2) The Contractor shall have the right to--

(i) Use, release to others, reproduce, distribute, or publish any data first produced or specifically used by the Contractor in the performance of this contract, unless provided otherwise in paragraph (d) of this clause;

(ii) Protect from unauthorized disclosure and use those data which are limited rights data or restricted computer software to the extent provided in paragraph (g) of this clause;

(iii) Substantiate use of, add, or correct limited rights, restricted rights, or copyright notices and to take other appropriate action, in accordance with paragraphs (e) and (f) of this clause; and

(iv) Establish claim to copyright subsisting in data first produced in the performance of this contract to the extent provided in subparagraph (c)(1) of this clause.

(c) *Copyright--*

(1) *Data first produced in the performance of this contract.* Unless provided otherwise in paragraph (d) of this clause, the Contractor may establish without prior approval of the Contracting Officer, claim to copyright subsisting in scientific and technical articles based on or

containing data first produced in the performance of this contract and published in academic, technical or professional journals, symposia proceedings or similar works. The prior, express written permission of the Contracting Officer is required to establish claim to copyright subsisting in all other data first produced in the performance of this contract. When claim to copyright is made, the Contractor shall affix the applicable copyright notices of 17 U.S.C. 401 or 402 and acknowledgment of Government sponsorship (including contract number) to the data when such data are delivered to the Government, as well as when the data are published or deposited for registration as a published work in the U.S. Copyright Office. For data other than computer software the Contractor grants to the Government and others acting on its behalf, a paid-up, nonexclusive, irrevocable worldwide license in such copyrighted data to reproduce, prepare derivative works, distribute copies to the public, and perform publicly and display publicly, by or on behalf of the Government. For computer software, the Contractor grants to the Government and others acting in its behalf, a paid-up, nonexclusive, irrevocable worldwide license in such copyrighted computer software to reproduce, prepare derivative works, and perform publicly and display publicly by or on behalf of the Government.

(2) *Data not first produced in the performance of this contract.* The Contractor shall not, without prior written permission of the Contracting Officer, incorporate in data delivered under this contract any data not first produced in the performance of this contract and which contains the copyright notice of 17 U.S.C. 401 or 402, unless the Contractor identifies such data and grants to the Government, or acquires on its behalf, a license of the same scope as set forth in subparagraph (c)(1) of this clause; PROVIDED, HOWEVER, that if such data are computer software the Government shall acquire a copyright license as set forth in subparagraph (g)(3) of this clause if included in this contract or as otherwise may be provided in a collateral agreement incorporated in or made part of this contract.

(3) *Removal of copyright notices.* The Government agrees not to remove any copyright notices placed on data pursuant to this paragraph (c), and to include such notices on all reproductions of the data.

(d) *Release, publication and use of data.*

(1) The Contractor shall have the right to use, release to others, reproduce, distribute, or publish any data first produced or specifically used by the Contractor in the performance of this contract, except to the extent such data may be subject to the Federal export control or national security laws or regulations, or unless otherwise provided in this paragraph of this clause or expressly set forth in this contract.

(2) The Contractor agrees that to the extent it receives or is given access to data necessary for the performance of this contract which contain restrictive markings, the Contractor shall treat the data in accordance with such markings unless otherwise specifically authorized in writing by the Contracting Officer.

(e) *Unauthorized marking of data.*

(1) Notwithstanding any other provisions of this contract concerning inspection or acceptance, if any data delivered under this contract are marked with the notices specified in subparagraphs (g)(2) or (g) (3) of this clause

and use of such is not authorized by this clause, or if such data bears any other restrictive or limiting markings not authorized by this contract, the Contracting Officer may at any time either return the data to the Contractor, or cancel or ignore the markings. However, the following procedures shall apply prior to canceling or ignoring the markings.

(i) The Contracting Officer shall make written inquiry to the Contractor affording the Contractor 30 days from the receipt of the inquiry to provide written justification to substantiate the propriety of the markings;

(ii) If the Contractor fails to respond or fails to provide written justification to substantiate the propriety of the markings within the 30-day period (or a longer time not exceeding 90 days approved in writing by the Contracting Officer for good cause shown), the Government shall have the right to cancel or ignore the markings at any time after said period and the data will no longer be made subject to any disclosure prohibitions.

(iii) If the Contractor provides written justification to substantiate the propriety of the markings within the period set in subdivision (e)(1)(i) of this clause, the Contracting Officer shall consider such written justification and determine whether or not the markings are to be canceled or ignored. If the Contracting Officer determines that the markings are authorized, the Contractor shall be so notified in writing. If the Contracting Officer determines, with concurrence of the head of the contracting activity, that the markings are not authorized, the Contracting Officer shall furnish the Contractor a written determination, which determination shall become the final agency decision regarding the appropriateness of the markings unless the Contractor files suit in a court of competent jurisdiction within 90 days of receipt of the Contracting Officer's decision. The Government shall continue to abide by the markings under this subdivision (e)(1)(iii) until final resolution of the matter either by the Contracting Officer's determination becoming final (in which instance the Government shall thereafter have the right to cancel or ignore the markings at any time and the data will no longer be made subject to any disclosure prohibitions), or by final disposition of the matter by court decision if suit is filed.

(2) The time limits in the procedures set forth in subparagraph (e)(1) of this clause may be modified in accordance with agency regulations implementing the Freedom of Information Act (5 U.S.C. 552) if necessary to respond to a request thereunder.

(3) This paragraph (e) does not apply if this contract is for a major system or for support of a major system by a civilian agency other than NASA and the U.S. Coast Guard agency subject to the provisions of Title III of the Federal Property and Administrative Services Act of 1949.

(4) Except to the extent the Government's action occurs as the result of final disposition of the matter by a court of competent jurisdiction, the Contractor is not precluded by this paragraph (e) from bringing a claim under the Contract Disputes Act, including pursuant to the Disputes clause of this contract, as applicable, that may arise as the result of the Government removing or ignoring authorized markings on data delivered under this contract.

(f) *Omitted or incorrect markings.*

(1) Data delivered to the Government without either the limited rights or restricted rights notice as authorized by paragraph (g) of this clause, or the copyright notice required by paragraph (c) of this clause, shall be deemed to have been furnished with unlimited rights, and the Government assumes no liability for the disclosure, use, or reproduction of such data. However, to the extent the data has not been disclosed without restriction outside the Government, the Contractor may request, within 6 months (or a longer time approved by the Contracting Officer for good cause shown) after delivery of such data, permission to have notices placed on qualifying data at the Contractor's expense and the Contracting Officer may agree to do so if the Contractor--

(i) Identifies the data to which the omitted notice is to be applied;

(ii) Demonstrates that the omission of the notice was inadvertent;

(iii) Establishes that the use of the proposed notice is authorized; and

(iv) Acknowledges that the Government has no liability with respect to the disclosure, use or reproduction of any such data made prior to the addition of the notice or resulting from the omission of the notice.

(2) The Contracting Officer may also (i) permit correction, at the Contractor's expense, of incorrect notices if the Contractor identifies the data on which correction of the notice is to be made and demonstrates that the correct notice is authorized, or (ii) correct any incorrect notices.

(g) Protection of limited rights data and restricted computer software.

(1) When data other than that listed in subdivisions (b)(1)(i), (ii), and (iii) of this clause above are specified to be delivered under this contract and qualify as either limited rights data or restricted computer software if the Contractor desires to continue protection of such data, the Contractor shall withhold such data and not furnish it to the Government under this contract. As a condition to this withholding, the Contractor shall identify the data being withheld and furnish form, fit, and function data in lieu thereof. Limited rights data that are formatted as a computer data base for delivery to the Government are to be treated as limited rights data and not restricted computer software.

(2) Notwithstanding subparagraph (g)(1) of this clause, the contract may identify and specify the delivery of limited rights data, or the Contracting Officer may require by written request the delivery of limited rights data that has been withheld or would otherwise be withholdable. If delivery of such data is so required, the Contractor may affix the following "Limited Rights Notice" to the data and the Government will thereafter treat the data, subject to the provisions of paragraphs (e) and (f) of this clause, in accordance with such Notice:

LIMITED RIGHTS NOTICE (JUN 1987)

(a) These data are submitted with limited rights under Government contract No. _____ (and subcontract _____, if appropriate). These data may be reproduced and used by the Government with the express limitation that they will not, without written permission of the Contractor, be used for purposes of manufacture nor disclosed outside the Government;

except that the Government may disclose these data outside the Government for the following purposes, if any, provided that the Government makes such disclosure subject to prohibition against further use and disclosure:

- (i) Use (except for manufacture) by support service contractors.
- (ii) Evaluation by nongovernment evaluators.

(iii) Use (except for manufacture) by other contractors participating in the Government's program of which the specific contract is a part, for information and use in connection with the work performed under each contract.

- (iv) Emergency repair or overhaul work.

(v) Release to a foreign government, or instrumentality thereof, as the interests of the United States Government may require, for information or evaluation, or for emergency repair or overhaul work by such government.

(b) This Notice shall be marked on any reproduction of these data, in whole or in part.

(End of notice)

(3) (Reserved)

(h) *Subcontracting*. The Contractor has the responsibility to obtain from its subcontractors all data and rights therein necessary to fulfill the Contractor's obligations to the Government under this contract. If a subcontractor refuses to accept terms affording the Government such rights, the Contractor shall promptly bring such refusal to the attention of the Contracting Officer and not proceed with subcontract award without further authorization.

(i) *Relationship to patents*. Nothing contained in this clause shall imply a license to the Government under any patent or be construed as affecting the scope of any license or other right otherwise granted to the Government.

I.5 COMPETITION IN SUBCONTRACTING (FAR 52.244-5) (DEC 1996)

(a) The Contractor shall select subcontractors (including suppliers) on a competitive basis to the maximum practical extent consistent with the objectives and requirements of the contract.

(b) If the Contractor is an approved mentor under the Department of Defense Pilot Mentor-Protege Program (Pub. L. 101-510, section 831 as amended), the Contractor may award subcontracts under this contract on a noncompetitive basis to its proteges.

I.6 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (FAR 52.244-6) (OCT 1998)

(a) Definition.

"Commercial item", as used in this clause, has the meaning contained in the clause at 52.202-1, Definitions.

"Subcontract", as used in this clause, includes a transfer of commercial items between divisions, subsidiaries, or affiliates of the Contractor or subcontractor at any tier.

(b) To the maximum extent practicable, the Contractor shall incorporate, and require its subcontractors at all tiers to incorporate, commercial items or nondevelopmental items as components of items to be supplied under this contract.

(c) Notwithstanding any other clause of this contract, the Contractor is not required to include any FAR provision or clause, other than those listed below to the extent they are applicable and as may be required to establish the reasonableness of prices under Part 15, in a subcontract at any tier for commercial items or commercial components:

(1) 52.222-26, Equal Opportunity (E.O. 11246);

(2) 52.222-35, Affirmative Action for Disabled Veterans and Veterans of the Vietnam Era (38 U.S.C. 4212(a));

(3) 52.222-36, Affirmative Action for Workers with Disabilities (29 U.S.C. 793); and

(4) 52.247-64, Preference for Privately Owned U.S.-Flagged Commercial Vessels (46 U.S.C. 1241) (flow down not required for subcontracts awarded beginning May 1, 1996).

(d) The Contractor shall include the terms of this clause, including this paragraph (d), in subcontracts awarded under this contract.

I.7 COMMERCIAL BILL OF LADING NOTATIONS (FAR 52.247-1) (APR 1984)

If the Contracting Officer authorizes supplies to be shipped on a commercial bill of lading and the Contractor will be reimbursed these transportation costs as direct allowable costs, the Contractor shall ensure before shipment is made that the commercial shipping documents are annotated with either of the following notations, as appropriate:

(a) If the Government is shown as the consignor or the consignee, the annotation shall be:

"Transportation is for the Environmental Protection Agency and the actual total transportation charges paid to the carrier(s) by the consignor or consignee are assignable to, and shall be reimbursed by, the Government."

(b) If the Government is not shown as the consignor or the consignee, the annotation shall be:

"Transportation is for the Environmental Protection Agency and the actual total transportation charges paid to the carrier(s) by the consignor or consignee shall be reimbursed by the Government, pursuant to cost-reimbursement Contract No _____. This may be confirmed by contacting: _____

I.8 CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2) (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far/> (for FAR clauses)

<http://www.epa.gov/oamrfpl2/ptod/epaar.pdf> (for EPA Acquisition Regulations which are called EPPAR)

I.9 IDENTIFICATION OF CONTRACTOR PERSONNEL

All contractor, subcontractor,, and consultant personnel are required to wear prominently displayed identification badges at all times when on site or when attending meetings, symposia, conferences, etc., either with EPA staff or on behalf of EPA staff. The badge shall contain the individual's name and the company name. The office space occupied by contractor staff in any location that is also occupied by EPA employees shall be identified with appropriate signs including the Contractor's name. When participating in such events as speaker or panel member, answering the telephone, etc., the Contractor shall supplement the physical identification with verbal announcements so that it is clear to all that they are Contractor employees and not EPA employees.

PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS

SECTION J - LIST OF ATTACHMENTS

Attachment 1	Statement of Work
Attachment 2	Reports of Work Procedures
Attachment 3	Small Business and Small Disadvantaged Business Concerns Subcontracting Plan (provided by offeror prior to award)
Attachment 4	Mentor-protege Plan (provided by offeror after award)
Attachment 5	Client Authorization Release letter for past performance

Attachment 1 Page 1**STATEMENT OF WORK****BACKGROUND**

With the passage of the CWA (Clean Water Act), demonstrable progress has been made in reducing water pollution from point sources. The goal of the Act, however, still remains to be met. It has now become clear that the nation will not be able to attain or maintain water quality standards everywhere by controlling point sources alone. There are some situations where nonpoint source controls will be required in order to solve existing water quality problems and mitigate threats to designated water uses. One of the CWA tools available to help devise holistic, integrated approaches to solving point and non-point source problems is the establishment of total maximum daily loads (TMDL's) under section 303(d).

In April of 1991 the Office of Water's Assessment and Protection Division published "Guidance for Water Quality-based Decisions: The TMDL Process." In July 1992, EPA published the final "Water Quality Planning and Management Regulation" [40 CFR part 130]. Together, these documents describe the roles and responsibilities EPA and the States have in meeting the requirements of section 303(d) of the CWA, particularly the continued integration of nonpoint source and point source controls. EPA will provide information and assistance to the States to support the implementation of water quality programs which incorporate point and nonpoint source controls.

GENERAL CONTRACT REQUIREMENT

THE CONTRACTOR SHALL SUPPORT THE REGION AND THE STATES' REQUIREMENT TO IDENTIFY 303(d) WATER QUALITY-LIMITED WATERS WHICH REQUIRE TOTAL MAXIMUM DAILY LOADS (TMDL'S) AND TO DEVELOP, IN PRIORITY ORDER, TMDL'S FOR THOSE LISTED WATERS. THE CONTRACTOR'S RESPONSIBILITIES WILL INCLUDE PROVIDING THE FOLLOWING SERVICES UNDER THIS CONTRACT:

TASKS**1. TMDL's**

The contractor shall provide expertise in development of TMDL's, including activities such as collecting additional water quality data, analyzing data, setting up and calibrating existing water quality models, conducting alternative scenario analyses, determining margin of safety, seasonality, providing technical TMDL reports and other items needed for the administrative record, and providing general TMDL technical support to Region 4 and Region 4 States. The TMDL development will vary from TMDL to TMDL, depending on the complexity of the specific project.

Some factors that may affect the complexity of the TMDL include the number of sources (i.e., single, multiple) and types of sources (i.e., point sources, nonpoint sources) contributing to the impairment, the type of waterbody (e.g., lake, stream, estuary), the nature of the watershed (e.g., homogeneous, heterogeneous), and the type of contaminant causing the impairment (e.g., nutrients, pathogens, metals). For example, a simple TMDL may involve a homogeneous stream impaired due to the discharge of chromium by a single point source. A medium TMDL may involve multiple point source dischargers whose effluents collectively contribute to low dissolved oxygen content of a receiving stream, or a nonpoint nutrient watershed analyses. A complex TMDL may involve an estuary impaired as a result of nutrient loadings from multiple point source dischargers and multiple nonpoint sources, including agriculture.

In general, contract support for each TMDL project will consist of a watershed characterization, following Regional procedures; proposal of an appropriate TMDL target;

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development of a waterbody and/or watershed water quality and quantity model; calibration of the model(s) to the available data and information; development of the point and nonpoint source; loading reductions needed to meet the TMDL target; and draft and final reports documenting the TMDL development process for each specific project.

2. Water Quality Modeling

The contractor shall provide expertise to Region 4 Water Management Division in the use of water quality models in the southeast. The contractor shall provide technical help in the continued use of the water quantity and quality models identified by and used by the Division. These models include but are not limited to QUAL2e, CE-QUAL-W2, Modified EPDRIV1, WASP and EFDC. All these models may be found in Compendium of Tools of Watershed Assessment and TMDL Development, EPA841-B-97-006, May 1997, which may be ordered on the Internet at <http://www.epa.gov/OWOW/info/PubList/publist3.html>. This includes tasks of data entry, creation and modification of model interfaces and code, modifications to model input and output interfaces, development of regional modeling default coefficients and other related work. This also includes providing hands-on assistance to the various regulatory agencies in learning and running models for TMDL development.

3. 303(d) List

The contractor shall provide technical advice to States within Region 4 Water Management Division purview, to review and/or development of the states' 303(d) list, including conducting additional monitoring and assessment to support the listing decision; supporting the preparation of the administrative record; collecting and analyzing existing and readily available data and information and other related work.

4. Monitoring and Assessment

The contractor shall perform field studies to gather data and information for TMDL development and 303(d) listing requirements. The contractor will conduct collection of the data and analysis of data in accordance with an approved study plan. Data collection includes but not limited to, collection of physical, chemical and biological data in accordance with the Enforcement and Investigations Branch Standard Operating Procedures and Quality Assurance Manual.

If the Region 4 Science and Ecosystem Support Division laboratory is unable to perform any/all required sample analyses, the contractor shall identify and propose another laboratory and, after EPA approval, subcontract the specific analyses. All subcontracted analyses shall be performed in accordance with the approved Quality Assurance Project Plan and contain sufficient quality control procedures to assure that the quality of data generated by the laboratory meet project needs in terms of precision, accuracy, comparability, and sensitivity.

5. Watershed Assessment and River Basin Management Approach

The contractor shall provide support to the Region in assisting states developing and implementing their watershed or river basin management process (RBMP) approaches which support the TMDL and 303(d) process. This includes development of RBMP framework documents, improvement of basin plans, facilitation of Basin Team activities, and consultation to managers, basin coordinators and team members for adapting and streamlining procedures to carry out basin management cycle responsibilities.

Attachment 1 Page 3**6. Development of point and nonpoint source control strategies**

The contractor shall analyze and evaluate the range of voluntary and regulatory approaches to pollution control, including the use of incentive systems to strengthen such efforts. This may require literature and document search and practical experience on what pollution reduction technologies will work and are practical for each individual TMDL implementation project. The contractor shall design, plan, and implement studies to quantify the effectiveness of various best management practices in reducing pollutant loads.

7. Workshop and meeting logistics support

The contractor shall provide administrative support in the planning and execution of workshops, training sessions, symposia, and meetings. This task requires the contractor to provide support in: (1) site selection, (2) meeting logistics, (3) preparing announcements and soliciting participants and papers as appropriate, (4) planning meetings, (5) developing workshop materials for all participants, (6) workshop evaluations, (7) on-site meeting management, (8) arranging for and acquiring necessary meeting speakers, and (9) developing proceedings and summaries.

8. Technical Support for TMDL and Monitoring Training

The contractor shall provide support in the publicity and communications activities related to individual training workshops and related to the TMDL & Monitoring training; conduct the logistics of setting up and carrying out a training session; conduct training courses; develop information packets, training workbooks, and other take-home references for training courses, in sufficient quantity for participants; design, research, and produce technical training curricula; revise, critique, and correct interim or draft training materials; prepare visual support materials such as overheads, slides, self-tutorials, videotape, and other media as appropriate to the course materials; evaluate success of training courses or other training products produced for EPA, and implement improvements; evaluate outside products or course materials for inclusion in the training; and assist in the production of guidebooks or other types of references supporting the watershed approach.

A list of topics for which the training may be required is hydrologic management units; watershed delineation; geographic focus; groundwater/surface water interactions; characterization of watersheds and watershed condition; watershed analysis; current vs. reference conditions; state of the watershed; water quality standards and criteria; calculations/analysis relative to pollutant loads; watershed modeling; monitoring; use of indicators; feedback for evaluation; maintenance monitoring; and monitoring design.

9. Water Quality Assessments and Characterizations

The contractor shall prepare reports and technical documents outlining methods for monitoring and assessing water quality health using existing data. The contractor shall identify and collect currently available assessment methods; summarize their contents, applicability, and usefulness; and recommend variations and combinations of methods to meet specified situations and needs. For individual watersheds the contractor shall develop watershed characterizations in preparation for making 303(d) listing decisions or TMDL development.

10. Quality Assurance (QA)

The contractor shall develop and implement a Quality Assurance Management Plan (QAMP) that is adequate to ensure that documents/deliverables/work are of a quality suitable for the

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intended purpose. Quality assurance shall be applied to all aspects of each project and work assignment involving data generation as required by EPA Order 5360.1, Chg 1, Policy and Program Requirements for the Mandatory Agency Wide Quality System, July 16, 1998. This includes environmental sampling, analysis, and data management as well as program management, project and work assignment management. The QAMP shall individually address each aspect of quality assurance as required in EPA Requirements for Quality Management Plans, EPA QA/R-2, External review Draft Final, October, 1998.

Internal delivery shall be performed before delivery of documents and deliverables to EPA. This review should involve personnel that are experienced in the type of activity but not otherwise involved in the specific project, as well as personnel (other than the document authors) who are familiar with the specific aspects of the projects that are the subject of the document.

The QAMP must describe how all data generated will be assessed for accuracy, precision, completeness, representation, and comparability. The QAMP must require that data be accompanied by a calculation of precision and accuracy.

The QAMP must include both auditing and corrective action. The auditors shall report directly to the contractors' corporate management, which will then be expected to direct attention and resources to solve any identified problems. The QAMP must include provisions for establishing and maintaining quality assurance reporting or feedback channels to the appropriate management authority to ensure that early and effective corrective actions are taken if data quality falls below required limits.

The QAMP must also include provisions to keep management informed of the performance of all data collection systems and must describe the mechanism(s) to be used when corrective actions are necessary. Corrective action relates to the overall quality assurance management scheme: who is responsible for taking corrective actions; when are corrective actions to be taken; and who follows-up to see what corrective actions have been taken and that they have produced the desired results. The level within the organization that is responsible for taking corrective action must be specified.

Quality Assurance Project Plans shall be developed as planning documents and approved by the EPA project officer/work assignment manager and quality assurance manager prior to collecting data to assure that data quality issues are addressed. QA Project Plan is defined as a critical planning document for a project or task, describing how data collection activities are planned, implemented and assessed. Where QA Project Plans are required, the contractor shall prepare them in accordance with EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations (EPA QA/R-5). QA performance shall be in accordance with the QAMP for EPA, Region 4 (Document Control Number: R4QAM-97001, Revised May 1, 1998).

Whenever environmentally-related measurements are performed, the contractor shall prepare and submit quality assurance reports to EPA. The content and frequency of the quality assurance reports shall be as directed and specified in the individual work assignments.

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REPORTS OF WORK PROCEDURES

REPORT DESCRIPTIONS

The contractor shall be required to submit the reports listed below. Additional requirements may be imposed by program management to support the Agency in meeting other commitments. All documents (with exception of monthly reports) must be approved by the Work Assignment Manager (WAM) and the EPA Project Officer (PO).

The purpose of the report is to provide EPA managers with an overall guide for tracking the progress of work, assisting with budgeting requirements, and evaluating contractor performance. The contractor will provide baseline schedules for performing work and monitoring progress, and will document the work that has been accomplished. The PO will provide a baseline for planned expenditures for the total project and for each work assignment, and monitor actual expenditures against the baseline to assess the financial status of the project. The reports will also provide the primary vehicle for highlighting variations from the cost baseline plan, for projecting impacts of the variations and for proposing actions to get back within the baseline.

Monthly Progress Reports

(a) The contractor shall furnish three (3) copies of a combined monthly technical and financial progress report briefly stating the progress made, including the percentage of the project completed, and a description of the work accomplished to support the cost. **If the work is** ordered using work assignments, include the estimated percentage of tasks completed during the reporting period for each work assignment.

(b) Specific discussions shall include difficulties encountered and remedial action taken during the reporting period, and anticipated activity during the subsequent reporting period.

(c) The report shall include the following information for each active work assignment on a monthly basis:

- (1) Work assignment number and title, contract number, contractor name, and date;
- (2) Period of performance, including explanations for any extensions that may be needed;
- (3) Number of hours, loaded rate applied, and corresponding total dollar amount expended for each employee (by name) within all labor categories employed during the reporting period;
- (4) Cumulative number of hours and corresponding dollar amounts expended by labor category;
- (5) Cumulative listing of all invoices submitted including invoice number, date submitted, period of invoice, total amount of invoice, and amount paid;
- (6) Any cumulative charges that have not been invoiced and reasons why they have not been billed;
- (7) Estimates of costs and labor hours to be expended during the next reporting period.

d) The report shall be submitted to the following addressees on or before the 15th day of each month following the first complete calendar month of the contract. Distribute reports as follows:

<u>Number of Copies</u>	<u>Addressees</u>
1	Project Officer
1	Work Assignment Manager
1	Contracting Officer

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II. Quality Assurance (QA)

QA Project Plans

For each work assignment which includes the need for a QA Project Plan, the contractor shall submit to the Project Officer three (3) copies of a Draft Project Plan for Quality Assurance by the date set forth in the work assignment.

QA Project Plans shall be developed as planning documents and approved prior to collecting data to assure that data quality issues are addressed. QA Project Plan is defined as a critical planning document for a project or task, describing how data collection activities are planned, implemented and assessed. The QA Project Plan shall describe specific procedures and responsibilities needed to accomplish the QA specifications in the statement of work of a particular work assignment. The Project Plan shall consist of the following form and content:

1. Title and Approval Page
2. Project Organization and Responsibility
3. Project Definition
4. Project Description.
5. Sampling Design
6. Sampling Requirements
7. Quality Control Requirements
8. Data Management and Documentation
9. Assessments and Response Actions
10. Project Reports
11. Data Validation
12. Data Usability

The Government will review and return the Draft Project Plan indicating approval or disapproval and comments. The contractor shall then make the appropriate revisions and submit the Final Project Plan. The Contracting Officer will incorporate the approved Final Project Plan into the work assignment.

QA Reports

QA Reports shall apply to all work assignments where laboratory processes or chain-of-custody protocols are required and specified in the work assignment. Whenever environmentally-related measurements are performed, the contractor shall prepare and submit quality assurance reports to EPA. The content and frequency of the QA Reports shall be as directed and specified in the individual work assignments.

111. Work Plans

Work plans shall apply to work assignments where work plans are required and specified in the work assignment. Work plans will serve as a baseline from which contractor progress and performance can be monitored. The work plans shall include a detailed cost estimate which will identify specific costs for completing the work assignment. The estimate will

Attachment 2 page 3

include all major elements identified in the work assignment. Additional cost elements may be required depending on the specific activity being performed.

The work plan should address, but will not necessarily be limited to, the following elements:

1. Objectives and scope of the proposed activity and its relationship to other activities.
2. Technical approach, anticipated problems, proposed solutions.
3. Work to be performed under each task, including objectives and scope, information sources, and methods to be used.
4. Schedule, including critical path milestones, and staff (name, P-Level, qualifications, and experience for each task.)
5. Detailed cost estimate for the activity, including activities required under the monthly financial report.
6. Cash flow scheduling and cost control procedures.
7. Subcontracting plan.
8. Document production and distribution.

The contractor must acknowledge receipt of each work assignment or work assignment amendment by returning to the Contracting Officer (CO) a signed copy of the work assignment and/or amendment within five (5) calendar days after its receipt. Work plans are due within 20 calendar days after receipt of the work assignment. Upon submission of the work plan to the PO and CO, EPA must approve or disapprove the work plan. If EPA fails to take action, the contractor must stop work by 60 calendar days after the issuance of the work assignment.

ATTACHMENT 5

CLIENT AUTHORIZATION RELEASE LETTER SAMPLE

Dear _____ (Client):

We are currently responding to the U.S. Environmental Protection Agency under RFP PR-R4-99-10585 for the procurement of TMDL and water quality studies in the Southeast. The U.S. EPA is placing increased emphasis on past performance in its procurements as an evaluation factor. EPA is requiring that entities responding to its solicitations identify clients who have used similar services in the past. In the event you are contact for information on work we have performed, you are hereby authorized to respond to those inquiries.

We have identified _____ of your organization as the point of contact based on his/her knowledge of our work. Your cooperation is appreciated. Please direct any questions to _____.

Sincerely,

PART IV - REPRESENTATIONS AND INSTRUCTIONS

SECTION K - REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS

K.1 NOTICE Listing Contract Clauses Incorporated by Reference

NOTICE:

The following solicitation provisions and/or contract clauses pertinent to this section are hereby incorporated by reference:

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

NUMBER	DATE	TITLE
52.203-11	APR 1991	CERTIFICATION AND DISCLOSURE REGARDING PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS
52.209-5	MAR 1996	CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS
52.215-6	OCT 1997	PLACE OF PERFORMANCE
52.222-21	FEB 1999	PROHIBITION OF SEGREGATED FACILITIES
52.223-4	OCT 1997	RECOVERED MATERIAL CERTIFICATION
52.223-13	OCT 1996	CERTIFICATION OF TOXIC CHEMICAL RELEASE REPORTING
1552.224-70	APR 1984	SOCIAL SECURITY NUMBERS OF CONSULTANTS AND CERTAIN SOLE PROPRIETORS AND PRIVACY ACT STATEMENT

K.2 TAXPAYER IDENTIFICATION (FAR 52.204-3) (OCT 1998)

(a) Definitions.

"Common parent," as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

"Taxpayer Identification Number (TIN)," as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any

delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) *Taxpayer Identification Number (TIN).*

☐ TIN: _____

☐ TIN has been applied for.

☐ TIN is not required because:

☐ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

☐ Offeror is an agency or instrumentality of a foreign government;

☐ Offeror is an agency or instrumentality of the Federal Government.

(e) *Type of organization.*

☐ Sole proprietorship;

☐ Partnership;

☐ Corporate entity (not tax-exempt);

☐ Corporate entity (tax-exempt);

☐ Government entity (Federal, State, or local);

☐ Foreign government;

☐ International organization per 26 CFR 1.6049-4;

☐ Other _____.

(f) *Common parent.*

☐ Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

☐ Name and TIN of common parent:

Name _____

TIN _____

K.3 TYPE OF BUSINESS ORGANIZATION (FAR 52.215-4) (OCT 1997)

The offeror or respondent, by checking the applicable box, represents that--

(a) It operates as ☐ an individual, ☐ a partnership, ☐ a nonprofit organization, ☐ a joint venture, or ☐ a corporation incorporated under the laws of the State of _____.

(b) If the offeror or respondent is a foreign entity, it operates as ☐ an individual, ☐ a partnership, ☐ a nonprofit organization, ☐ a joint venture, or ☐ a corporation, registered for business in (country) _____.

K.4 SMALL BUSINESS PROGRAM REPRESENTATIONS (FAR 52.219-1) (OCT 1998) ALTERNATE II (JAN 1999)

(a)(1) The standard industrial classification (SIC) code for this acquisition is 8999 Services.

(2) The small business size standard is 5 (five) million.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) *Representations.* (1) The offeror represents as part of its offer that it [] is, [] is not a small business concern.

(2) (Complete only if offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it [] is, [] is not, a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if offeror represented itself as a small business concern in paragraph (b)(1) of this section.) The offeror represents as part of its offer that it [] is, [] is not a women-owned small business concern.

(5) [Complete only if offeror represented itself as a small business concern in paragraph (b)(1) of this provision.] The offeror represents, as part of its offer, that--

(i) It { } is, { } is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal place of ownership, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It { } is, { } is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(5)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. [The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: _____.] Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(c) *Definitions.*

"Small business concern," as used in this provision, means a concern,

including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

"Women-owned small business concern," as used in this provision, means a small business concern-

(1) Which is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) *Notice.* (1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small or small disadvantaged business concern in order to obtain a contract to be awarded under the preference programs established pursuant to sections 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall-

(i) Be punished by imposition of fine, imprisonment, or both;

(ii) Be subject to administrative remedies, including suspension and debarment; and

(iii) Be ineligible for participation in programs conducted under the authority of the Act.

K.5 SMALL DISADVANTAGED BUSINESS STATUS (FAR 52.219-22) (OCT 1998)

(a) *General.* This provision is used to assess an offeror's small disadvantaged business status for the purpose of obtaining a benefit on this solicitation. Status as a small business and status as a small disadvantaged business for general statistical purposes is covered by the provision at FAR 52.219-1, Small Business Program Representation.

(b) *Representations.* (1) *General.* The offeror represents, as part of its offer, that it is a small business under the size standard applicable to this acquisition; and either--

[] (i) It has received certification by the Small Business Administration as a small disadvantaged business concern consistent with 13 CFR 124, Subpart B; and

(A) No material change in disadvantaged ownership and control has occurred since its certification;

(B) Where the concern is owned by one or more disadvantaged individuals, the net worth of each individual upon whom the certification is based does not exceed \$750,000 after taking into account the applicable exclusions set forth

at 13 CFR 124.104(c)(2); and

(C) It is listed, on the date of this representation, on the register of small disadvantaged business concerns maintained by the Small Business Administration; or

[] (ii) It has submitted a completed application to the Small Business Administration or a Private Certifier to be certified as a small disadvantaged business concern in accordance with 13 CFR 124, Subpart B, and a decision on that application is pending, and that no material change in disadvantaged ownership and control has occurred since its application was submitted.

(2) [] *For Joint Ventures.* The offeror represents, as part of its offer, that it is a joint venture that complies with the requirements at 13 CFR 124.1002(f) and that the representation in paragraph (b)(1) of this provision is accurate for the small disadvantaged business concern that is participating in the joint venture. *[The offeror shall enter the name of the small disadvantaged business concern that is participating in the joint venture: _____.]*

(c) *Penalties and Remedies.* Anyone who misrepresents any aspects of the disadvantaged status of a concern for the purposes of securing a contract or subcontract shall:

(1) Be punished by imposition of a fine, imprisonment, or both;

(2) Be subject to administrative remedies, including suspension and debarment; and

(3) Be ineligible for participation in programs conducted under the authority of the Small Business Act.

K.6 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FAR 52.222-22) (FEB 1999)

The offeror represents that--

(a) It [] has, [] has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;

(b) It [] has, [] has not filed all required compliance reports; and

(c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

K.7 AFFIRMATIVE ACTION COMPLIANCE (FAR 52.222-25) (APR 1984)

The offeror represents that--

(a) It [] has developed and has on file, [] has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or
(b) It [] has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

K.8 CLEAN AIR AND WATER CERTIFICATION (FAR 52.223-1) (APR 1984)

The Offeror certifies that--

(a) Any facility to be used in the performance of this proposed contract is [], is not [] listed on the Environmental Protection Agency (EPA) List of Violating Facilities;

(b) The Offeror will immediately notify the Contracting Officer, before award, of the receipt of any communication from the Administrator, or a designee, of the EPA, indicating that any facility that the Offeror proposes to use for the performance of the contract is under consideration to be listed on the EPA List of Violating Facilities; and

(c) The Offeror will include a certification substantially the same as this certification, including this paragraph (c), in every nonexempt subcontract.

K.9 COST ACCOUNTING STANDARDS NOTICES AND CERTIFICATION (FAR 52.230-1) (APR 1998)

Note: This notice does not apply to small businesses or foreign governments. This notice is in three parts, identified by Roman numerals I through III.

Offerors shall examine each part and provide the requested information in order to determine Cost Accounting Standards (CAS) requirements applicable to any resultant contract.

If the offeror is an educational institution, Part II does not apply unless the contemplated contract will be subject to full or modified CAS coverage pursuant to 48 CFR 9903.201-2(c)(5) or 9903.201-2(c)(6), respectively.

I. DISCLOSURE STATEMENT -- COST ACCOUNTING PRACTICES AND CERTIFICATION

(a) Any contract in excess of \$500,000 resulting from this solicitation will be subject to the requirements of the Cost Accounting Standards Board (48 CFR Chapter 99), except for those contracts which are exempt as specified in 48 CFR 9903.201-1.

(b) Any offeror submitting a proposal which, if accepted, will result in a contract subject to the requirements of 48 CFR Chapter 99 must, as a condition of contracting, submit a Disclosure Statement as required by 48 CFR 9903.202. When required, the Disclosure Statement must be submitted as a part of the offeror's proposal under this solicitation unless the offeror has already submitted a Disclosure Statement disclosing the practices used in connection with the pricing of this proposal. If an applicable Disclosure Statement has already been submitted, the offeror may satisfy the requirement for submission by providing the information requested in paragraph (c) of Part I of this provision.

CAUTION: In the absence of specific regulations or agreement, a practice disclosed in a Disclosure Statement shall not, by virtue of such disclosure, be deemed to be a proper, approved, or agreed- to practice for pricing proposals or accumulating and reporting contract performance cost data.

(c) Check the appropriate box below:

☐ (1) Certificate of Concurrent Submission of Disclosure Statement.

The offeror hereby certifies that, as a part of the offer, copies of the

Disclosure Statement have been submitted as follows: (i) original and one copy to the cognizant Administrative Contracting Officer (ACO) or cognizant Federal agency official authorized to act in that capacity (Federal official), as applicable, and (ii) one copy to the cognizant Federal auditor.

(Disclosure must be on Form No. CASB DS-1 or CASB DS-2, as applicable. Forms may be obtained from the cognizant ACO or Federal Official and/or from the looseleaf version of the Federal Acquisition Regulation.)

Date of Disclosure Statement: _____
Name and Address of Cognizant ACO or Federal Official Where Filed:

The offeror further certifies that practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement.

☐ (2) Certificate of Previously Submitted Disclosure Statement.

The offeror hereby certifies that Disclosure Statement was filed as follows:

Date of Disclosure Statement: _____
Name and Address of Cognizant ACO or Federal Official Where Filed:

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the applicable disclosure statement.

☐ (3) Certificate of Monetary Exemption.

The offeror hereby certifies that the offeror, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards of negotiated prime contracts and subcontracts subject to CAS totaling more than \$25 million (of which at least one award exceeded \$1 million) in the cost accounting period immediately preceding the period in which this proposal was submitted. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

☐ (4) Certificate of Interim Exemption.

The offeror hereby certifies that (i) the offeror first exceeded the monetary exemption for disclosure, as defined in (3) of this subsection, in the cost accounting period immediately preceding the period in which this offer was submitted and (ii) in accordance with 48 CFR 9903.202-1, the offeror

is not yet required to submit a Disclosure Statement. The offeror further certifies that if an award resulting from this proposal has not been made within 90 days after the end of that period, the offeror will immediately submit a revised certificate to the Contracting Officer, in the form specified under subparagraph (c)(1) or (c)(2) of Part I of this provision, as appropriate, to verify submission of a completed Disclosure Statement.

CAUTION: Offerors currently required to disclose because they were awarded a CAS-covered prime contract or subcontract of \$25 million or more in the current cost accounting period may not claim this exemption (4). Further, the exemption applies only in connection with proposals submitted before expiration of the 90-day period following the cost accounting period in which the monetary exemption was exceeded.

II. COST ACCOUNTING STANDARDS -- ELIGIBILITY FOR MODIFIED CONTRACT COVERAGE

If the offeror is eligible to use the modified provisions of 48 CFR 9903.201-2(b) and elects to do so, the offeror shall indicate by checking the box below. Checking the box below shall mean that the resultant contract is subject to the Disclosure and Consistency of Cost Accounting Practices clause in lieu of the Cost Accounting Standards clause.

☐ The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 48 CFR 9903.201-2(b) and certifies that the offeror is eligible for use of the Disclosure and Consistency of Cost Accounting Practices clause because during the cost accounting period immediately preceding the period in which this proposal was submitted, the offeror received less than \$25 million in awards of CAS-covered prime contracts and subcontracts, or the offeror did not receive a single CAS-covered award exceeding \$1 million. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

CAUTION: An offeror may not claim the above eligibility for modified contract coverage if this proposal is expected to result in the award of a CAS-covered contract of \$25 million or more or if, during its current cost accounting period, the offeror has been awarded a single CAS-covered prime contract or subcontract of \$25 million or more.

III. ADDITIONAL COST ACCOUNTING STANDARDS APPLICABLE TO EXISTING CONTRACTS

The offeror shall indicate below whether award of the contemplated contract would, in accordance with subparagraph (a)(3) of the Cost Accounting Standards clause, require a change in established cost accounting practices affecting existing contracts and subcontracts.

☐
☐ YES
☐ NO

K.10 ORGANIZATIONAL CONFLICT OF INTEREST CERTIFICATION (EPAAR 1552.209-72) (APR 1984)

The offeror [] is [] is not aware of any information bearing on the existence of any potential organizational conflict of interest. If the offeror is aware of information bearing on whether a potential conflict may exist, the offeror shall provide a disclosure statement describing this information.

(See Section L of the solicitation for further information.)

K.11 GENERAL FINANCIAL AND ORGANIZATIONAL INFORMATION (EPAAR 1552.215-76) (APR 1984)

Offerors or quoters are requested to provide information regarding the following items in sufficient detail to allow a full and complete business evaluation. If the question indicated is not applicable or the answer is none, it should be annotated. If the offeror has previously submitted the information, it should certify the validity of that data currently on file at EPA or update all outdated information on file.

(a) Contractor's Name:

(b) Address (If financial records are maintained at some other location, show the address of the place where the records are kept):
.....

(c) Telephone Number:

(d) Individual(s) to contact re this proposal:
.....

(e) Cognizant Government:

Audit Agency:

Address:

Auditor:

(f) (1) Work Distribution for the Last Completed Fiscal Accounting Period:

Sales:

Government cost-reimbursement type prime
contracts and subcontracts: \$.....

Government fixed-price prime contracts
and subcontracts: \$.....

Commercial Sales: \$.....

Total Sales: \$.....

(2) Total Sales for first and second fiscal years immediately preceding last completed fiscal year.

Total Sales for First Preceding Fiscal Year \$.....

Total Sales for Second Preceding Fiscal Year \$.....

(g) Is company a separate rate entity or division?

.....

If a division or subsidiary corporation, name parent company:

.....

(h) Date Company Organized:

(i) Manpower:

Total Employees:

Direct:

Indirect:

Standard Work Week (Hours):

(j) Commercial Products:

.....

(k) Attach a current organizational chart of the company.

(l) Description of Contractor's system of estimating and accumulating costs under Government contracts. (Check appropriate blocks.)

	Estimated/	Standard
<u>Actual Cost</u>	<u>Cost</u>	
Estimating System		
Job Order
Process
Accumulating System		
Job Order
Process

Has your cost estimating system been approved by any Government agency?

Yes No

If yes, give name and location of agency:

.....

Has your cost accumulation system been approved by any Government agency?

Yes No

If yes, give name and address of agency:

.....

(m) What is your fiscal year period? (Give month-to-month dates):

.....

What were the indirect cost rates for your last completed fiscal year?

<u>Fiscal</u> <u>Year</u>	<u>Indirect</u> <u>Cost Rate</u>	<u>Basis of</u> <u>Allocation</u>
Fringe Benefits
Overhead
G&A Expense
Other

(n) Have the proposed indirect cost rate(s) been evaluated and accepted by any Government agency? Yes No

If yes, name and location of the Government agency:

.....

Date of last preaward audit review by a Government agency: .

(If the answer is no, data supporting the proposed rates must accompany the cost or price proposal. A breakdown of the items comprising overhead and G&A must be furnished.)

(o) Cost estimating is performed by:

Accounting Department
Contracting Department
Other

(describe).

(p) Has system of control of Government property been approved by a Government agency?

Yes No

If yes, name and location of the Government agency:

.....

(q) Purchasing System:

FAR 44.302 requires EPA, where it is the cognizant Government agency, to conduct a Contractor Purchasing System Review for each contractor whose sales to the Government, using other than sealed bid procedures, are expected to exceed \$10 million (annual billings) during the next twelve months. The \$10 million sales threshold is comprised of prime contracts, subcontractors under Government prime contracts, and modifications (except when the negotiated price is based on established catalog or market prices or is set by law or regulation). Has your purchasing system been approved by a Government agency?

Yes No

If yes, name and location of the Government agency:

.....

Period of Approval:

If no, do you estimate that your negotiated sales to the Government during the next twelve months will meet the \$10 million threshold?

Yes No

If you respond yes to the \$10 million threshold question, is EPA the cognizant agency for your organization based on the preponderance of Government contract dollars?

Yes No

If EPA is not your cognizant Government agency, provide the name and location of the cognizant agency.....
.....

Are your purchasing policies and procedures written?

Yes No

(r) Does your firm have an established written incentive compensation or bonus plan?

Yes No

K.12 SIGNATURE BLOCK (EP 52.299-900) (APR 1984)

I hereby certify that the responses to the above Representations, Certifications and other statements are accurate and complete.

Signature:_____

Title :_____

Date :_____

K.13 COMPLIANCE WITH VETERANS EMPLOYMENT REPORTING REQUIREMENTS (EP-S 99-1) (FEB 1999) DEVIATION

(a) The Offeror represents that, if it is subject to the reporting requirements of 38 U.S.C. 4212(d) (i.e. the VETS-100 report required by the Federal Acquisition Regulation clause 52.222-37, Employment Reports on Disabled Veterans and Veterans of the Vietnam Era), it has[], has not [] submitted the most recent report required by 38 U.S.C. 4212(d).

(b) An Offeror who checks "has not" may not be awarded a contract until the required reports are filed. (31 U.S.C. 1354)

SECTION L - INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

L.1 NOTICE Listing Contract Clauses Incorporated by Reference

NOTICE:

The following solicitation provisions and/or contract clauses pertinent to this section are hereby incorporated by reference:

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

NUMBER	DATE	TITLE
52.204-6	APR 1998	DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER
52.215-1	OCT 1997	INSTRUCTIONS TO OFFERORS-COMPETITIVE ACQUISITION ALTERNATE I (OCT 1997)
52.215-16	OCT 1997	FACILITIES CAPITAL COST OF MONEY
1552.209-70	APR 1984	ORGANIZATIONAL CONFLICT OF INTEREST NOTIFICATION

L.2 TYPE OF CONTRACT (FAR 52.216-1) (APR 1984)

The Government contemplates award of a Cost-Plus-Fixed-Fee contract resulting from this solicitation.

L.3 SERVICE OF PROTEST (FAR 52.233-2) (AUG 1996)

(a) Protests, as defined in Section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO) shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from:

Hand-Carried Address:

Deborah Davidson, Contracting Officer
U.S. EPA Region IV
61 Forsyth St., SW 9th Floor Receptionist
Atlanta, GA 30303-3104

Mailing Address:

Deborah Davidson, Contracting Officer
U.S. EPA Region IV
61 Forsyth St., SW 14th Floor,
Procurement Section
Atlanta, GA 30303-3104

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

L.4 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FAR 52.252-1) (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far/>

<http://www.epa.gov/oamrfp12/ptod/epaar.pdf>

L.5 PROPOSED CONTRACT START DATE--LEVEL OF EFFORT CONTRACT (EP 52.212-180) (AUG 1984)

For proposal preparation purposes, offerors may assume a contract start date of March 1, 2000 and that the required effort will be uniformly incurred throughout each contract period.

L.6 INSTRUCTIONS FOR THE PREPARATION OF TECHNICAL AND COST OR PRICING PROPOSALS (EPAAR 1552.215-73) (AUG 1993) ALTERNATE I (MAY 1996)

(a) Technical proposal instructions.

(1) Submit your technical proposal as a separate part of the total proposal package. Omit all cost or pricing details from the technical proposal.

(2) Special technical proposal instructions:

Submit three (3) copies of your technical proposal. Address each evaluation factor separately in the order listed in this RFP. Evaluation factors are listed in Section M.2. Note the limit of 100 pages for your proposal. Each printed side of paper is one page.

(b) Cost or pricing proposal instructions.

Your cost or price proposal shall be specific, complete in every detail, and separate from your technical proposal. In addition to a hard copy of the information, to expedite review of your proposal, you are requested to submit a computer disk containing the financial data required under 1552.215-73(b)(2) through (b)(7), if this information is available using a commercial spreadsheet program on a personal computer. Please indicate the software program used to create this information. Offerors should include the formulas and factors used in calculating the financial data on the disk as well as the basic financial information. Although submission of the computer disk will expedite review, failure to submit the disk will not affect consideration of your proposal.

(1) General - Submit cost or pricing data prepared in accordance with FAR

15.804-6, FAR Table 15-2, and the following:

(I)

Clearly identify separate cost or pricing data associated with any:

(A) Options to extend the term of the contract;

(B) Options for the Government to order incremental quantities; and/or

(C) Major tasks, if required by the special instructions.

You may indicate the above cost or price detailed data in narrative form or on a spread sheet, provided that all cost or pricing data is adequately and clearly described.

(ii) Clearly identify all costs and data in support of the proposed cost/price. Include the index required by FAR 15.804, Table 15-2, Paragraph 5.

(iii) Submit current financial statements, including Balance Sheet, Statement of Income (Loss), and Cash Flow for the last two completed fiscal years. Specify resources available to perform the contract without assistance from any outside source. If sufficient resources are not available, indicate in your proposal the amount required and the anticipated source (i.e., bank loans, letter or lines of credit, etc.).

(iv) If other divisions, subsidiaries, a parent or affiliated companies will perform work or furnish materials under this proposed contract, please provide the name and location of such affiliate and your intercompany pricing policy. Separately identify costs and supporting data for each such entity proposed.

(v) If the contract schedule includes a "Fixed Rates for Services" clause, please provide in your cost proposal a schedule duplicating the format in the clause and include your proposed fixed hourly rates per labor category for the base and any optional contract periods.

(vi) If the contract includes the clause at EPAAR 1552.232-73 "Payments - Fixed-Rate Services Contract," or the clause at FAR 52.232-7, "Payments Under Time and Materials and Labor-Hour Contracts," include in your cost proposal the estimated costs and burden rate you will apply to materials, other direct costs, or subcontracts. The Government will include these costs as part of its cost proposal evaluation.

(vii) Whenever subcontractor effort is included in the proposed costs, the prime contractor shall include an additional supporting cost summary consolidating all costs (both contractor and subcontractor) by element for each contract period.

(2) Direct Labor.

(I) Attach support schedules for each proposed labor category, indicating both proposed hours and rates. All management and support (such as clerical, corporate and day-to-day management) hours and costs proposed to be a direct charge, in accordance with your normal accounting treatment, are to be shown separately from that for the technical effort.

(ii) Explain the basis of the proposed labor rates, including a complete justification for all judgmental factors used to develop weights applied to your company's category or individual rates that comprise the rates for labor categories specified in the solicitation. This explanation should describe how your technical approach coincides with the proposed costs.

(iii) Describe for each labor category proposed your company's qualifications and experience requirements. If individual rates are used, provide the employees' name. If specific individuals are identified in the technical proposal, correlate these individuals with the labor categories specified in the solicitation.

(iv) Provide a matrix summarizing the effort proposed, including the subcontracts, by professional and technical level specified in the solicitation.

(v) Indicate whether current rates or escalated rates are used. If escalation is included, state the degree (Percent) and methodology. The methodology shall include the effective date of the base rates and the policy on salary reviews (e.g. anniversary date of employee or salary reviews for all employees on a specific date).

(vi) State whether any additional direct labor (new hires) will be required during the performance period of this acquisition. If so, state the number required, their planned "P" level and the rationale for the additions.

(vii) With respect to educational institutions, include the following information for those professional staff members whose salary is expected to be covered by a stipulated salary support agreement pursuant to OMB Circular A-21.

(A) Individual's name;

(B) Annual salary and the period for which the salary is applicable;

(C) List of other research Projects or proposals for which salary is allocated, and the proportionate time charged to each; and

(D) Other duties, such as teaching assignments, administrative assignments, and other institutional activities. Show the proportionate time charged to each. (Show proportionate time charges as a percentage of 100% of time for the entire academic year, exclusive of vacation or sabbatical leave).

(3) Indirect costs (overhead, general, and administrative expenses).

(i) If your rates have been recently approved, include copy of the agreement, and specify the rate approving official. If the agreement does not cover the projected performance period of the proposed effort, provide the rationale and estimated rate calculations for the proposed performance period.

(ii) Submit supporting documentation for rates which have not been approved or audited.

(iii) Provide actual pool expenses, base dollars or hours (as applicable for the past four years).

(4) Travel expense.

(i) If the solicitation specifies the amount of travel costs, this amount is exclusive of any applicable indirect costs and fee.

(ii) Attach a schedule illustrating how travel was computed. Include a breakdown indicating the number of trips, number of travelers, destination, purpose and cost.

(5) Subcontracts.

(i) Identify the subcontractors. State the amount of service (at the "P" level) estimated to be required and the quoted daily or hourly rate.

(ii) When the cost of a subcontract is substantial, (25 percent of the estimated contract value or \$10,000, whichever is less), include details of subcontractor's costs in the same format as the prime Contractor's costs. Include a cost or price analysis of the subcontract costs in accordance with FAR 15.806-1(a)(2).

(iii) Provide a copy of any consultant agreement or the basis of the proposed rate.

(6) Equipment, facilities and special equipment, including tooling.

(i) If direct charges for use of existing contractor equipment are proposed, provide a description of these items and details of the basis of such charges.

(ii) If equipment purchases are proposed, provide a description of these items, details of the proposed costs (including at least three price quotes), and a justification as to why the Government should furnish the equipment or allow its purchase with contract funds. (Unless specified elsewhere in this solicitation, FAR 45.302-1 requires contractors to furnish all facilities in performance of contracts with certain limited exceptions.)

(iii) Identify Government-owned property in the possession of the offeror or proposed to be used in the performance of the contract, and the Government agency which has cognizance over the property.

(iv) Submit proposed rates or use charges for equipment, along with documentation to support those rates.

(v) If special purpose facilities or equipment is being proposed, provide a description of these items, details of the proposed costs including competitive prices, and justification as to why the Government should furnish the equipment or allow its purchase with contract funds.

(vi) If fabrication by the prime contractor is contemplated, include details of material, labor, and overhead.

(7) Other Direct Costs.

(i) Attach a schedule detailing how other direct costs were computed. Identify the major ODC items that under your accounting system would be a

direct charge on any resulting contract.

(ii) If the solicitation specifies the amount of other direct costs, this amount is exclusive of any applicable indirect cost and fee.

(iii) If any of the cost elements identified as part of the specified other direct costs are recovered as an indirect cost, in accordance with the offeror's accounting system, those costs should not be included as a direct cost. Complete explanation of this adjustment and the contractor's practice should be provided.

(iv) Provide dollars per LOE hour on similar contracts or work assignments.

(c) Other Required Submissions

Offerors should submit the following, in addition to their technical and cost proposals.

- (1) SF-33, blocks 15, 16 and 17.
- (2) B.4, B.5
- (3) H.5, H.12
- (4) Section K in its entirety

L.7 PREPROPOSAL CONFERENCE (EP 52.215-100) (APR 1984)

EPA will conduct a preproposal conference at 10:00 a.m. on July 22, 1999 at:
Richard B. Russell Federal Building
75 Spring Street, S.W. Room 812 (8th Floor)
Atlanta, GA 30303

Offerors should submit all questions they would like answered during the conference, 3 workdays prior to the conference. All other questions will be taken from the floor and may require research. If questions cannot be answered at the conference, answers will be included, where possible, in the minutes and sent to every potential offeror on the mailing list. If an amendment to the RFP is required, every potential offeror will receive it.

L.8 PAST PERFORMANCE INFORMATION (EP 52.215-105) (DEC 1995)

(a) Offerors shall submit the information requested below as part of their proposal for both the offeror and major (over \$500,000) proposed subcontractors. The information may be submitted prior to other parts of the proposal in order to assist the Government in reducing the evaluation period.

(b) Offerors shall submit a list of all related contracts and subcontracts

completed in the last 5 (five) years, and all contracts and subcontracts currently in process, which are similar in nature to this requirement. The contracts and subcontracts listed may include those entered into with Federal, State and local governments, and commercial businesses which are of similar scope, magnitude, and complexity to that which is detailed in the RFP. Include the following information for each contract and subcontract:

- (1) Name of contracting activity.
- (2) Contract number.
- (3) Contract title.
- (4) Contract type.
- (5) Brief description of contract or subcontract.
- (6) Total contract value.
- (7) Period of performance.
- (8) Contracting officer and telephone.
- (9) Program manager and telephone.
- (10) Administrative Contracting Officer, if different from #8, and telephone.
- (11) List of major (over \$500,000) subcontractors (if applicable).

(c) Offerors should not provide general information on their performance on the identified contracts. General performance information will be obtained from the references.

(1) If no response is received from a reference, the Government will make an attempt to contact another reference identified by the offeror, to contact a reference not identified by the offeror, or to complete the evaluation with those references who responded.

(2) If none of the references respond, an offeror will receive a neutral score. Attempts to obtain responses will generally not go beyond two telephonic messages and/or written requests from the Government, unless otherwise stated in the solicitation.

(d) If negative feed back is received from an offeror's reference, the Government will compare the negative response to the offeror's other references to note differences. A score will be assigned appropriately to the offeror based on the information. Offerors will be provided an opportunity to address unfavorable performance information.

(e) Offerors must send Client Authorization Letters (see Section J of the solicitation) to each reference listed in their proposal to assist in the timely processing of the past performance evaluation.

(1) If an offeror has no relevant past performance history, an offeror must affirmatively state that it possesses no relevant directly related or similar past performance. If an offeror does not indicate whether past performance history exists, the offeror's proposal may be considered ineligible for award.

(2) Client Authorization Letters should be mailed to individual references no later than five (5) working days after proposal submission. The offeror should forward a copy of the Client Authorization Letter to the Contracting Officer simultaneously with mailing to references.

(f) Each offeror may describe any quality awards or certifications that indicate the offeror possesses a high-quality process for developing and producing the product or service required. Such awards or certifications

include, for example, the Malcolm Baldrige Quality Award, other Government quality awards, and private sector awards or certifications.

(1) Identify the segment of the company (one division or the entire company) which received the award or certification.

(2) Describe when the award or certification was bestowed. If the award or certification is over three years old, present evidence that the qualifications still apply.

(g) Each offeror will be evaluated on performance under existing and prior contracts/subcontracts for products or services similar in scope, magnitude, and complexity to this requirement. Past Performance information will be used for both responsibility determinations and as an evaluation factor for award against which offerors' relative rankings will be compared to assure the best value to the Government. The Government will focus on information that demonstrates quality of performance relative to the size and complexity of the procurement under consideration. The Past Performance Questionnaire identified in Section J will be used to collect this information. References other than those identified by the offeror may be contacted by the Government and used in the evaluation of the offeror's past performance.

(h) The Contracting Officer will retain the information collected on past performance in the official contract file.

L.9 TECHNICAL QUESTIONS (EP 52.215-110) (APR 1984)

Offerors are strongly encouraged to submit all technical questions concerning this solicitation in writing to the contract specialist within 10 calendar days of the RFP's issuance date. EPA will answer questions which may affect offers in an amendment to the solicitation. EPA will not reference the source of the questions.

L.10 RELEASE OF COST OR PRICING PROPOSALS OUTSIDE THE GOVERNMENT FOR AUDIT (EP 52.215-115) (MAR 1989)

Cost or pricing proposals submitted in response to this solicitation may be released outside the Government for audit purposes regardless of whether information contained in such proposals has been claimed or determined to be business confidential. If an outside audit is obtained, the non-Government auditor shall use the information only for audit purposes; shall not disclose any information in the proposals to anyone other than authorized EPA employees without the prior written approval of the Assistant General Counsel responsible for information law matters; and shall return all copies of proposals, as well as any abstracts, to the Government upon completion of the audit. The non-Government auditor shall obtain a written agreement from each of its employees with access to the proposals to honor these limitations prior to allowing the employee access.

L.11 EVALUATION OF OTHER DIRECT COSTS (EP 52.215-130) (APR 1984)

For evaluation purposes, offerors shall propose the following amounts:

PERIOD	TRAVEL	OTHER ODC
Base (2 year)	47,093	35,230
Option 1 (1 year)	26,166	19,624
Option 2 (1 year)	26,899	20,174
Option 3 (1 year)	27,652	20,739

L.12 IDENTIFICATION OF SET-ASIDE/8A PROGRAM APPLICABILITY (EP 52.219-100) (FEB 1991)

This procurement is being processed as follows:

- (a) Type of set-aside: Not Applicable
Percent of the set-aside: 0 percent
- (b) 8(a) Program: Not Applicable

L.13 SUBCONTRACTING PROGRAM PLAN FOR UTILIZATION OF SMALL BUSINESS AND SMALL DISADVANTAGED BUSINESS CONCERNS (EP 52.219-125) (AUG 1984)

As part of the initial offer, offerors shall submit a subcontracting plan as called for by FAR 52.219-9. (See Section I-3 for the full clause of FAR 52.219-9)

L.14 PROCEDURES FOR PARTICIPATION IN THE EPA MENTOR-PROTEGE PROGRAM (EP 52.219-130) (SEP 1994)

(a) This provision sets forth the procedures for participation in the EPA Mentor-Protege Program (hereafter referred to as the Program). The purpose of the Program is to increase the participation of small disadvantaged businesses (SDBs) as subcontractors, suppliers, and ultimately as prime contractors; to establish a mutually beneficial relationship with SDBs and EPA's large business prime contractors (although small businesses may participate as Mentors); to develop the technical and corporate administrative expertise of the SDBs which will ultimately lead to greater success in competition for contract opportunities; to promote the economic stability of SDBs; and to aid in the achievement of goals for the use of SDBs in subcontracting activities under EPA contracts. If the successful offeror is accepted into the Program they shall serve as a Mentor to a Protege (SDB) firm(s), providing developmental assistance in accordance with an agreement with the Protege firm(s).

(b) To participate as a Mentor, the offeror must receive approval in accordance with paragraph (h).

(c) A Protege must be a small disadvantaged business (SDB) as defined under Federal Acquisition Regulation (FAR) 19.001, and a small business for the purpose of the Small Business Administration (SBA) size standard in the Standard Industrial Code (SIC) applicable to the contemplated supplies or services to be provided by the Protege firm to the Mentor firm. Further, consistent with EPA's 1993 Appropriation Act, socially disadvantaged individuals shall be deemed to include women.

(d) A Protege firm may self-certify to the offeror that it meets each of the eligibility requirements above. The offeror may rely in good faith on a written representation of a business concern that such business concern meets the requirements set forth in paragraph (c). Where there may be a concern regarding the Protege firm's eligibility to participate in the Program, the Protege's eligibility will be determined by the Contracting Officer in consultation with the Small Business Administration.

(e) The offeror shall submit an application in accordance with paragraph (k) as part of its proposal which shall include as a minimum the following information.

(1) A statement and supporting documentation that the offeror is currently performing under at least one active Federal contract with an approved subcontracting plan and is eligible for the award of Federal contracts;

(2) A summary of the offeror's historical and recent activities and accomplishments under their SDB program. The offeror is encouraged to include any initiatives or outreach information believed pertinent to approval as a mentor firm;

(3) The total dollar amount (including the value of all option periods or quantities) of EPA contracts and subcontracts received by the offeror during its two preceding fiscal years. (Show prime contracts and subcontracts separately per year);

(4) The total dollar amount and percentage of subcontract awards made to all SDB firms under EPA contracts during its two preceding fiscal years. If recently required to submit a SF 295, provide copies of the two preceding year's reports;

(5) The number and total dollar amount of subcontract awards made to the identified Protege firm(s) during the two preceding fiscal years (if any).

(f) In addition to the information required by (e) above, the offeror shall submit as a part of the application the following information for each proposed Mentor-Protege relationship.

(1) Information on the offeror's ability to provide developmental assistance to the identified Protege firm and how the assistance will potentially increase contracting and subcontracting opportunities for the Protege firm, including subcontract opportunities in industry categories where SDBs are not dominant in the offeror's vendor base.

(2) A letter of intent indicating that both the Mentor firm and the Protege firm intend to enter into a contractual relationship under which the Protege will perform as a subcontractor under the contract resulting from this solicitation and that the firms will negotiate a Mentor-Protege

agreement. Costs incurred by the offeror in fulfilling the agreement(s) with the Protege firm(s) are not reimbursable on a direct basis to the contract. The letter of intent must be signed by both parties and contain the following information:

- (i) The name, address and phone number of both parties;
- (ii) The Protege firm's business classification, based upon the SIC code(s) which represents the contemplated supplies or services to be provided by the Protege firm to the Mentor firm;
- (iii) A statement that the Protege firm meets the eligibility criteria;
- (iv) A preliminary assessment of the developmental needs of the Protege firm and the proposed developmental assistance the Mentor firm envisions providing the Protege. The offeror shall address those needs and how their assistance will enhance the Protege. The offeror shall develop a schedule to assess the needs of the Protege and establish criteria to evaluate the success in the Program.
- (v) A statement that if the offeror or Protege firm is suspended or debarred while performing under an approval Mentor-Protege agreement the offeror shall promptly give notice of the suspension or debarment to the Office of Small Disadvantaged Business Utilization (OSDBU) and the Contracting Officer. The statement shall require the Protege firm to notify the Contractor if it is suspended or debarred.
- (g) The application will be evaluated on the extent to which the offeror's proposal addresses the items listed in (e) and (f). To the maximum extent possible, the application should be limited to not more than 10 single pages, double spaced. The offeror may identify more than one Protege in its application.
- (h) If the offeror is determined to be in the competitive range, the offeror will be advised by the Contracting Officer whether their application is approved or rejected. The Contracting Officer, if necessary, may request additional information in connection with the offeror's submission of its revised or best and final offer. If the successful offeror has submitted an approved application, they shall comply with the clause titled "Mentor-Protege Program."
- (i) Subcontracts of \$1,000,000 or less awarded to firms approved as Proteges under the Program are exempt from the requirements for competition set forth in FAR 44.202-2(a)(5), 52.244-2(b)(2)(iii) and 52.244-5. However, price reasonableness must still be determined and the requirements in FAR 44.202-2(a)(8) and 52.244-2(b)(2)(iv) for cost or price analysis continue to apply.
- (j) Costs incurred by the offeror in fulfilling their agreement(s) with a Protege firm(s) are not reimbursable on a direct basis to the contract. Unless EPA is the responsible audit agency under FAR 42.703-1, offerors are encouraged to enter into an advance agreement with their responsible audit agency on the treatment of such costs when determining indirect cost rates. Where EPA is the responsible audit agency, these costs will be considered in determining indirect cost rates.

(k) Submission of Application and Questions Concerning the Program.

The application for the Program shall be submitted to the Contracting Officer, and to the OSDDBU at the following address:

Socioeconomic Business Program Officer
Office of Small and Disadvantaged Business Utilization
U. S. Environmental Protection Agency
401 M Street, S. W. (3801R)
Washington, D. C. 20460
Telephone: (202) 564-4322
Fax: (202) 565-2473

L.15 NOTICE OF FILING REQUIREMENTS FOR AGENCY PROTESTS (EP 52.233-01) (MAR 1997)

Agency protests shall be filed with the Contracting Officer in accordance with the requirements of FAR 33.103(d) and (e). Within 10 calendar days after receipt of an adverse Contracting Officer decision, the protestor may submit a written request for an independent review by the Head of the Contracting Activity. This independent review is available only as an appeal of a Contracting Officer decision on a protest. Accordingly, as provided in 4 CFR 21.2(a)(3), any subsequent protest to the GAO must be filed within 10 days of knowledge of the Contracting Officer's adverse decision.

L.16 ADDITIONAL BID/PROPOSAL SUBMISSION INSTRUCTIONS (EP-S 99-2) (MAR 1999)

a. General Instructions

These instructions are in addition to the applicable requirements and clauses set forth in the Federal Acquisition Regulation regarding bid/proposal submission and late bid/proposals. Please note that there are distinct addresses designated for bid/proposal submission on the SF 33. Block 7 designates the location specified for delivery of hand carried, couriered, overnight delivery service bids/proposals while Block 8 indicates the address specified for receipt of bid/proposals sent by U.S. Mail. Bidders/Offerors are responsible for ensuring that their bids/proposals (and any amendments, modifications, withdrawals, or revisions thereto) are submitted so as to reach the Government office designated on the SF 33 prior to the designated date and time established for receipt. Bidders and offerors are also responsible for allowing sufficient time for the bid/proposal to be processed through EPA's internal mail distribution system described below so as to reach the designated location for bid/proposal receipt on time. Failure to timely deliver a bid/proposal to the EPA office specified in B in blocks 7 and 8 of the SF 33, will render the bid/proposal "late" in accordance with FAR 14.304 and/or 15.208 and disposition of the bid/proposal will be handled in accordance with FAR 14.304 and 52.214-7 for bids and FAR 15.208 and 52.215-1 for proposals. Bidders/Offerors are cautioned that receipt of a bid/proposal by the Agency's mail room or other central receiving facility does not constitute receipt by the office designated in the solicitation/invitation for bids.

b. U.S. Mail Delivery-SF 33 Block 8

Block 8 on the SF 33 indicates that bids/proposals sent by U.S. Mail must be timely received by the Procurement Section on the 14th Floor. Because EPA

adheres to a centralized mail delivery system, any bid/proposal submitted via U.S. Mail to the address specified in block 8 of the SF 33 is initially routed to EPA's mail handling facility located at the Sam Nunn Atlanta Federal Center, 61 Forsyth Street, SW, 9th Floor, Atlanta, GA 30303 and then subsequently routed to the Procurement Section located on the 14th Floor of the same building. Bids/proposals sent by U.S. Mail, therefore, will not be considered "received" until such time as they are physically delivered via EPA's mail distribution system to the EPA Procurement Section. Bidders or Offerors electing to utilize the U.S. Mail for bid/proposal delivery should therefore allow sufficient time prior to the designated time and date for bid/proposal receipt as specified in Block 9 of the SF 33 to allow for the internal routing of their bid/proposal to the EPA Procurement Section.

All bids/proposals submitted other than by U.S. Mail should utilize the Hand Carried/Courier/Overnight Delivery Service address specified in Block 7 of the SF 33.

c. Hand Carried/Courier Delivery- SF 33 Block 7

EPA's Procurement Section is located on the 14th floor of the Sam Nunn Atlanta Federal Center, 61 Forsyth Street, SW, Atlanta, GA 30303. Because this is a secure area, EPA bidders/offerors/contractors and/or their couriers/delivery personnel must check in at the EPA visitor reception area, located on the 9th Floor, prior to gaining access to the Procurement Section.

d. Overnight Delivery Services- SF 33 Block 7

Bid/Proposal deliveries via overnight delivery services (e.g., Federal Express, Airborne Express) must utilize the address specified in block 7 of the SF 33. Because bids and proposals must be physically received in the Procurement Section to be considered officially received, bidders/offerors should not rely upon guaranteed delivery times from overnight delivery services as guarantees that their bids/proposals will be officially received on time. Bidders/offerors remain responsible for the timely delivery of their bids/proposals to the Procurement Section.

e. Bid/Proposal Submission Labels

Offerors should affix the red label, OF-17, on the outside of any envelope used to deliver a proposal. In addition, the envelope should be clearly addressed as follows:

U.S. Environmental Protection Agency

Procurement Section 14th Floor
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303

L.17 QUALITY MANAGEMENT PLAN

Each offeror shall submit a Quality Management Plan (QMP) that clearly and concisely demonstrates the offeror's or team's ability to address and ensure the quality control and quality assurance of the environmental data collection activities for all elements of the Statement of Work. The QMP shall be

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prepared in accordance with EPA QU/R-2 EPA requirements for Quality Management Plans, available on the Internet at:

<http://www.epa.gov/r10earth/offices/oea/gaindex.htm#National> QA Guidance and Requirements Documents

An offeror will have to have an acceptable QMP to be considered eligible for contract award.

SECTION M - EVALUATION FACTORS FOR AWARD

M.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE

The following solicitation provisions and/or contract clauses pertinent to this section are hereby incorporated by reference:

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

NUMBER	DATE	TITLE
52.217-5	JUL 1990	EVALUATION OF OPTIONS
1552.215-70	SEP 1996	EPA SOURCE EVALUATION AND SELECTION PROCEDURES--NEGOTIATED PROCUREMENTS

M.2 EVALUATION FACTORS FOR AWARD (EPAAR 1552.215-71) (SEP 1996)

(a) The Government will make award to the responsible offeror(s) whose offer conforms to the solicitation and is most advantageous to the Government, cost or price and other factors considered. For this solicitation, all evaluation factors other than cost or price when combined are significantly more important than cost or price.

(b) Technical Evaluation Criteria: factors and subfactors are listed in descending order of weight/importance.

1. The offeror's ability, resources, education and experience to perform tasks in the following areas:

- . TMDL Development
- . Monitoring and Assessment
- . Water Quality Modeling
- . Technical Support for TMDL, Modeling and Monitoring Training
- . Watershed Assessment and River Basin Management
- . Quality Assurance (QA)
- . Development of point and nonpoint control and implementation strategies
- . Workshop and meeting logistics support

2. Past Performance in related work.

3. The offeror's plan for managing and administering the contract.

- . Ability to Manage and Administer the Contract/Projects
- . Ability to communicate and to solve and resolve problems with the Contracting Officer, Project Officer and/or the Work Assignment Managers.
- . Defined Lines of Authority, Responsibility and Communication
- . Ability to Respond to Technical Changes and Increased Workload

4. The offeror's ability and experience in developing clear, concise and technically defensible reports in a timely manner.

5. Small Disadvantaged Business Subcontracting Plan (see FAR 52.219.9 in Section I-3)

The written technical proposals will address the above items, examples of their proposed approach and proposed schedule for deliverables (50 pages maximum); a list of personnel (including key personnel) with their respective qualifications and approximate level of effort each would have in the project (50 pages maximum); and examples of the offeror's relevant work (2 complete reports and up to 5 executive summaries).

Oral discussions with offerors within the competitive range may occur during or after review of the written proposals in order for EPA to obtain clarification on certain aspects of the written proposals.

The following sample work assignment is included as an illustration of the types of work assignments likely to be generated under this contract.

TECHNICAL APPROACH

TASK 1: Water Quality Improvement in the Lower Mississippi River Valley: Analysis of nutrient loadings in the Yazoo River Basin

The Yazoo River Basin (YRB) is the largest basin in Mississippi and lies totally within the state. It is composed of 13,355 square miles and drains into the Mississippi River (MR) at Vicksburg, MS. The basin is about 200 miles long with a maximum width of about 110 miles. The YRB contains a total of 25,000 stream miles and includes five major tributary systems. The basin includes a hilly upland in north-central Mississippi where four headwater tributaries originate, and their impoundment results in four large flood control reservoirs with recreational use. This upland part of the basin consists largely of forests, pastures, small farms and sparse population. Streams in the upland region tend to have muddy or sandy bottoms with sluggish to moderate flow, and water quality is generally fair.

The rest of the YRB is an extensive flat lowland in the Mississippi Alluvial Plain, commonly referred to as the "Delta." The Delta Region of the YRB is part of the original flood plain of the MR and constitutes an area of almost 7,000 square miles. The Delta has some of the most fertile and productive farmland in the world. Due to the agricultural emphasis in the region, the Delta is sparsely populated. Streams in the Delta are typically sluggish with silt bottoms. Many streams, and the river itself, receive large amounts of sediment and other agricultural contaminants resulting in high turbidity, elevated nutrients, and periodically elevated toxics, resulting in fair to poor water quality.

At its mouth, the Yazoo River contributes its flow and pollutant load (sediments, nutrients, and toxics) to the already substantial flow and load of the MR. The total nutrient load ultimately delivered to the Gulf of Mexico by the MR contributes to coastal eutrophication and has been directly associated with observed increases in area and duration of a large zone of hypoxic water

(<2 mg dissolved oxygen) in the northern Gulf off the coasts of Louisiana and Texas. Since this phenomenon appears to have serious implications for the health of the Gulf ecosystem and the dependant human culture and economy, efforts are underway to assess causes and solutions.

Therefore, accurate characterization of the total load of nutrients, nitrogen (N) and phosphorus (P), contributed by the YRB to the MR is necessary to understand the nutrient flux of the MR and especially important to EPA-Region IV and the State of Mississippi in any eventual strategy proposed for reduction of nutrient loads. Characterization of sources and loads within the YRB is necessary for the development of Total Maximum Daily Loads (TMDLs) for those waterbody segments in the basin that are impaired by nutrients.

The overall objective of this project is to provide an accurate assessment of the proportional contributions to the total nutrient loading to the Yazoo River by various activities within its basin, determination of the total delivery of nutrients and sediments from the Yazoo River to the MR under various conditions, and the development, adaptation, and demonstration of predictive tools and processes for watershed analysis that can be used throughout the Mississippi River Basin (and other Region IV states). Specifically included will be the regionalization, calibration, and verification of EPA's BASINS (Better Assessment Science Integrating Point and Nonpoint Sources) computerized Geographical Information System (GIS). BASINS is a multipurpose environmental analysis system developed by EPA's Office of Water. Through an ArcView interface, BASINS facilitates integration of spatial data with existing hydrologic and water quality models. This application of BASINS will be used to project pollutant loading configurations under various conditions and to develop nutrient TMDLs for the Yazoo River, or portions thereof.

PHASE I: Screening Level Basin Analysis

1.1.1) Contractor shall continue characterization of watershed and analysis of hydrologic condition of YRB. Contractor shall review and summarize the current geophysical, chemical, and biological nature of the YRB based on available information. Characterization report to be completed by December 15, 1998.

1.1.2) Contractor shall continue development of a nutrient mass balance for YRB for N and P, considering all sources and forms of N and P, all inputs and outputs, and account for seasonal variation. A draft report which will be distributed for comments to the stakeholders will be completed by December 15, 1998.

1.1.3) Contractor shall continue development of flow and nutrient predictive models within BASINS system. Contractor shall adjust model parameters to reflect flow and nutrient loadings based on available data and provide the model and modeling results to EPA by December 15, 1998. These initial model results will be oriented to providing the basis for the nutrient TMDL.

1.1.4) Training/Outreach. Contractor shall hold up to 2 two-day workshops for model development, model presentation and model training. The focus of the workshops will be the nutrient loadings and how the TMDL is being developed. The

location of the workshops will be defined through technical direction from the WAM. For costing purposes it is assumed that the workshops will be held in Jackson, MS.

PHASE II: Detailed Level Sub-Basin Analysis

1.2.1)

Application of BASINS system to specific sub-BASINS.

Contractor shall refine the watershed segmentation process; update nutrient loading estimates; develop seasonal and annual nutrient variabilities; and calibrate models with the new nutrient data provided by State monitoring project.

1.2.2) Assessment of sediment dynamics in YRB. Contractor shall determine sediment sources and transport patterns using Geographic Information Systems (GIS) data layers and results of EPA/State stream assessments.

1.2.3)

Contractor shall evaluate and compare nonpoint source (NPS) nutrient and sediment load reduction efficiencies based on potential land use conversions and stream restoration in YRB.

Contractor shall conduct a review of current literature relating NPS nutrient and sediment loads to various land use applications and hydromodification. Contractor shall review any available EPA/State studies of stream classification and biological assessment that can be correlated with surrounding land use practices and stream modification, and recommend specific studies of this nature for the YRB. Contractor shall recommend appropriate field scale models to evaluate NPS loading from specific land uses and/or hydromodifications. Contractor shall adapt the BASINS system to provide selected capabilities to predict NPS impacts for various scenarios such as potential land use conversion and stream restoration, (e.g. flood plain row crop to restored riparian forest).

1.2.4) Development of draft nutrient and sediment TMDLs for the YRB. Per technical direction of the WAM and as funds allow, Contractor shall develop seasonal TMDLs for appropriate stream segments with nutrient and sediment impairments based on State criteria, screening values, or other State §303(d) listing protocols. All documentation and modeling assumptions for this TMDL will be presented in a final report due 09/30/99.

1.2.5) Training/Outreach. Per technical direction from the WAM, Contractor shall set up workshops, attend the meetings, and prepare materials to explain the TMDLs, their derivation and results. (2 one-day workshop / meetings - one in EPA Regional Office and 1 in the Yazoo Basin)